

ENTERGY NUCLEAR NORTHEAST  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
P.O. BOX 110, LYCOMING, NY 13093  
DOCUMENT TRANSMITTAL AND RECEIPT ACKNOWLEDGEMENT FORM

DATE: February 17, 2004  
CONTROLLED COPY NUMBER: 34

TO: U.S.N.R.C. Document Center/Washington, DC  
FROM: CATHY IZYK - EMERGENCY PLANNING DEPARTMENT  
SUBJECT: EMERGENCY PLAN AND IMPLEMENTING PROCEDURES

Enclosed are revisions to your assigned copy of the JAFNPP Emergency Plan and Implementing Procedures. Please remove and **DISCARD** the old pages. Insert the attached, initial and date this routing sheet and return the completed routing sheet to *Cathy Izyk in the Emergency Planning Department within 15 days*. If this transmittal is not returned within 15 days, your name will be removed from the controlled list.

**THIS PROCEDURE IS EFFECTIVE**  
**Wednesday, February 18, 2004**

VOLUME 2 Update List Dated FEBRUARY 18, 2004			
DOCUMENT	PAGES	REV. #	INITIALS/DATE
EAP-1.1	REPLACE ALL EXCEPT KEEP LAST TWO COLORED PULL OUT SHEETS AND PLACE ATTACHED LABELS OVER REV. NUMBER AND PAGE NUMBERS ON PAGES 50 & 51	52	
EAP-8	REPLACE ALL	64	
EAP-17	REPLACE ALL	109	

VOLUME 3 Update List Dated FEBRUARY 18, 2003			
DOCUMENT	PAGES	REV. #	INITIALS/DATE
EAP-43	REPLACE ALL	63	
EAP-44	REPLACE ALL	6	

EAP-1.1  
Rev. No. 52  
ATTACHMENT 14  
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EAP-1.1  
Rev. No. 52  
ATTACHMENT 15  
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A045

# EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 2

## UPDATE LIST

CONTROLLED COPY # **34**

Date of Issue: FEBRUARY 18, 2004

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 19	02/98	N/A
IAP-1	EMERGENCY PLAN IMPLEMENTATION CHECKLIST	REV. 32	10/03	Informational
IAP-2	CLASSIFICATION OF EMERGENCY CONDITIONS	REV. 25	10/03	Informational
EAP-1.1	OFFSITE NOTIFICATIONS	REV. 52	02/04	Informational
EAP-2	PERSONNEL INJURY	REV. 26	01/03	Informational
EAP-3	FIRE	REV. 23	08/02	Informational
EAP-4	DOSE ASSESSMENT CALCULATIONS	REV. 34	12/03	Informational
EAP-4.1	RELEASE RATE DETERMINATION	REV. 16	05/03	Informational
EAP-5.1	DELETED (02/94)			
EAP-5.2	DELETED (04/91)			
EAP-5.3	ONSITE/OFFSITE DOWNWIND SURVEYS AND ENVIRONMENTAL MONITORING	REV. 9	08/02	Informational
EAP-6	IN-PLANT EMERGENCY SURVEY/ENTRY	REV. 17	05/03	Informational
EAP-7.1	DELETED (02/94)			
EAP-7.2	DELETED (02/94)			
EAP-8	PERSONNEL ACCOUNTABILITY	REV. 64	02/04	Informational
EAP-9	SEARCH AND RESCUE OPERATIONS	REV. 11	05/03	Informational
EAP-10	PROTECTED AREA EVACUATION	REV. 17	05/03	Informational
EAP-11	SITE EVACUATION	REV. 19	05/03	Informational
EAP-12	DOSE ESTIMATED FROM AN ACCIDENTAL RELEASE OF RADIOACTIVE MATERIAL TO LAKE ONTARIO	REV. 11	04/02	Informational
EAP-13	DAMAGE CONTROL	REV. 16	10/03	Informational
EAP-14.1	TECHNICAL SUPPORT CENTER ACTIVATION	REV. 24	10/03	Informational
EAP-14.2	EMERGENCY OPERATIONS FACILITY ACTIVATION	REV. 22	10/03	Informational
EAP-14.5	OPERATIONAL SUPPORT CENTER ACTIVATION	REV. 15	10/03	Informational


# EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 2 UPDATE LIST

Date of Issue: FEBRUARY 18, 2004

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
EAP-14.6	HABITABILITY OF THE EMERGENCY FACILITIES	REV. 16	09/03	Informational
EAP-15	EMERGENCY RADIATION EXPOSURE CRITERIA AND CONTROL	REV. 11	06/02	Informational
EAP-16	PUBLIC INFORMATION PROCEDURE	REV. 7	05/03	Informational
EAP-16.2	JOINT NEWS CENTER OPERATION	REV. 3	09/03	Informational
EAP-17	EMERGENCY ORGANIZATION STAFFING	REV. 109	02/04	Informational
EAP-18	DELETED (12/93)			
EAP-19	EMERGENCY USE OF POTASSIUM IODINE (KI)	REV. 23	09/03	Informational
EAP-20	POST ACCIDENT SAMPLE, OFFSITE SHIPMENT AND ANALYSIS	REV. 9	06/02	Informational
EAP-21	DELETED (12/85)			
EAP-22	DELETED (02/98)			
EAP-23	EMERGENCY ACCESS CONTROL	REV. 12	09/03	Informational
EAP-24	EOF VEHICLE AND PERSONNEL DECONTAMINATION	REV. 9	06/02	Informational
EAP-25	DELETED (02/94)			

ENTERGY NUCLEAR OPERATIONS, INC.  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

OFFSITE NOTIFICATIONS  
EAP-1.1  
REVISION 52

APPROVED BY:   
RESPONSIBLE PROCEDURE OWNER

DATE: 2/13/04

EFFECTIVE DATE: February 18, 2004

FIRST ISSUE ☐

FULL REVISION ☐

LIMITED REVISION ☒

***** * * INFORMATIONAL USE * ***** ***** * * ADMINISTRATIVE * *****	***** * * QUALITY RELATED * ***** ***** * * CONTROLLED COPY # <u>34</u> * *****
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PERIODIC REVIEW DUE DATE: MAY 2008

## REVISION SUMMARY SHEET

## REV. NO.

- 52
- Updated reference to number of items listed on attachment 8 in section 4.3.5.K.2. & 4.4.4.K.2
  - Revised attachment 7 to add FAA, FBI, and FEMA phone numbers. This closes CR-JAF-2003-5944.
  - Revised WPO Corporate pager number on attachment 8 and deleted on attachment 4.
  - ENN-EP-101 establishes a corporate support center, which changes the recovery effort and enables us to remove the references to Recovery Support Group Manager.
  - Deleted reference to auto dialer telephone in TSC in section 4.3.5.K.2.
  - Added to attachment 13 and section 4.2.1.A.2 - direction for AOP-28 Operation During Plant Fires.
- 51
- Updated Attachment 1 and 13 due to meteorology and communications checks to improve human performance on the NRC notification Fact Sheet. This closes CR-JAF-2003-05078
  - Added step 4.3.5.B. and 4.4.4.B to perform an initial RECS line test with the desktop aide at the RECS phone.
  - Updated information on attachment 2 to match the information on attachments 1 and 13 for wind and ground speed and direction.
- 50
- Updated telephone information from New York State Warning Point to Verizon on who to contact with RECS problems in sections 4.3.5.B and 4.4.4.B and attachment 11.
  - Added note to sections 4.3.5.B and 4.4.4.B. regarding releases going below Tech Specs.
  - Added sections 4.3.5.D.1.a and 4.4.4.D.1.a.
  - Changed attachment 1 and 13 number 7 as when to implement Protective Actions.
- 49
- Changed Emergency Planning Manager to Emergency Preparedness Manager throughout the entire procedure.
  - Added section 4.3.5.B and 4.4.4.B - regarding RECS telephone and circuit numbers.
  - On attachment 1-3, and 13 changed the approval line to read Emergency Director instead of Emergency Plant Manager.
  - On attachment 1 numbers 11, & 12 and attachment 2 number 16.E & F, attachment 13 numbers 11 & 12 - added ground/elevated feet.
  - On attachments 4 and 7 updated the RSGM's new pager numbers.
  - On attachment 7 & 14 added NRC cell phone number.
  - Added Entergy Risk Assessment person on attachment 7.

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## 1.0 PURPOSE

The purpose of this procedure is to provide detailed instructions for the prompt notification of offsite authorities, offsite emergency response agencies and onsite personnel.

NOTE: Additional telephone numbers, which may be of use, are listed in Attachment 7.

## 2.0 REFERENCES

### 2.1 Performance References

2.1.1 IAP-1, EMERGENCY PLAN IMPLEMENTATION CHECKLIST

2.1.2 IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS

2.1.3 EAP-4, DOSE ASSESSMENT CALCULATIONS

2.1.4 EAP-17, EMERGENCY ORGANIZATION STAFFING

2.1.5 EAP-42, OBTAINING METEOROLOGICAL DATA

### 2.2 Developmental References

2.2.1 IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS

2.2.2 I&E Information Notice No. 85-78: "Event Notification"

2.2.3 EAP-42, OBTAINING METEOROLOGICAL DATA

## 3.0 INITIATING EVENTS

The Emergency Director has declared an emergency condition at the JAFNPP in accordance with IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS.

#### 4.0 PROCEDURE

**NOTE:** Forms generated during an actual emergency are considered "Quality Records" and must be maintained to be added to the plant records system. (This includes Part 1, 2 and 3 forms and the NRC Event Notification Worksheet detailed in this procedure. Other forms or data will be determined to be plant records by review by the Emergency Preparedness Manager.) Therefore, all forms, calculations, etc. shall be directed to the Emergency Preparedness Manager for review after an actual event.

The Emergency Director or his designee shall implement this procedure.

The Shift Manager/Emergency Director is the only individual authorized to declare an emergency or recommend protective actions to offsite agencies. A designated individual may, however, relay this information.

#### 4.1 Responsibilities

##### 4.1.1 Shift Manager

- A. Assumes the role of Emergency Director, until properly relieved.
- B. Initiates the classification and reclassification of emergency conditions based on available information (IAP-2).
- C. Designates a Control Room Communications Aide to initiate and maintain communications with offsite authorities until the TSC or EOF is staffed.
- D. Designates an individual to make plant announcements.
- E. Normally designates a security officer (at ext. 3456) to contact Plant personnel in accordance with EAP-17, EMERGENCY ORGANIZATION STAFFING. Pagers should be activated during normal working hours AND off hours. Pagers should be activated at the NUE and once again at the ALERT or higher classification. CAN should be activated during off hours and at other times as appropriate.
- F. Approves emergency notification forms until relieved of the Emergency Director's role.



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- 4.1.2 Control Room Communications Aide (as assigned by Shift Manager)
- A. As directed by SM, initiates and maintains communications with offsite authorities until responsibility is transferred to TSC or EOF.
  - B. Continues to maintain communications with TSC following its activation.
- 4.1.3 Emergency Plant Manager
- A. Relieves Shift Manager of overall responsibility for plant emergencies.
  - B. Initiates or verifies classification and reclassification of emergency conditions.
  - C. Initiates or continues communications with offsite authorities through TSC Communications and Records Coordinator, EOF Manager, or designee.
  - D. Directs security to reactivate pagers, and CAN if necessary, if the emergency escalates from an NUE to an Alert or higher classification. This is to ensure all facilities are activated.
  - E. Makes announcements as necessary.
  - F. Recommends protective actions to offsite agencies. Prior to the issuance of protective action recommendations from the EOF, the Emergency Plant Manager should discuss these actions with state and local liaisons.
  - G. Approves emergency notification forms.
  - H. When appropriate the Control Room Emergency Director shall formally turn over the Emergency Director function to a qualified Emergency Director who will normally be located in the TSC. (This function may be transferred directly to the EOF if the situation warrants.) The turn over may be verbal, and will include the status of the plant.

#### 4.1.4 TSC Communications and Records Coordinator and EOF Manager

- A. As directed by the Emergency Plant Manager, initiates or maintains communications with offsite agencies.
- B. Acts as prime interface with Emergency Plant Manager for information dissemination to and from offsite authorities, WPO and other groups as required.

#### 4.2 Control Room Procedure

NOTE: Transmittal of Part 1 form, Notification Fact Sheet (Attachment 1), is required within 15 minutes of emergency declaration, reclassification, initial PARs or PAR changes. Updates are required approximately every 30 minutes unless an agreement is reached with NYS and Oswego County that 30-minute updates are not necessary. IF updates are suspended, THEN a part 1 form transmittal will be made upon reclassification, PAR changes, significant plant condition changes and/or event termination.

Transmittal of NRC Event Notification Worksheet (Attachment 6) is required immediately after notification of New York State and Oswego County and not later than one hour after the declaration of an emergency or reclassification of an emergency.

##### 4.2.1 The Shift Manager/Emergency Director shall:

- A. Designate one person to serve as Control Room Communication Aide:

- 1. Assign an available operations individual

OR

- 2. During AOP-43 Control Room Evacuation or AOP-28 Operation During Plant Fires, assign the Security Shift Supervisor (SSS) by calling SAS at extension 3456 or the SSS at 6424 or 6422.

NOTE: At the discretion of the Shift Manager/Emergency Director, pagers and/or CAN may not be activated if doing so could jeopardize the safety of ERO personnel responding to Emergency Response Facilities.

## 4.2.1 cont'd

B. Designate one person to contact plant Emergency Response Organization personnel using EAP-17. This will normally be the SAS Security Officer (ext. 3456). Provide the following information to the designated individual using the Facility Activation and Pager Code Matrices for guidance.

NOTE: IF Pagers and/or CAN are to be activated, AND activation cannot be accomplished by the SAS Security Officer, THEN Control Room Staff should activate pagers and CAN as per EAP-17, Attachment 4.

1. This is (1) An actual emergency, or (2) a drill, or (3) a pager/oncall test.
2. Emergency classification and time declared
3. IF AOP-43 in process, THEN direct SAS Officer to have Shift Security Supervisor make plant announcement and offsite notifications.
4. Activate pagers (yes or no);
  - a. IF YES, THEN provide three digit pager code
5. Activate CAN (yes or no);
6. Facilities to be activated using CAN:

NOTE: JAF list is a limited listing of Security personnel

"Group 1" for CR/TSC/OSC/JAF, or

"Group 2" for CR/TSC/OSC/JAF and EOF/JNC, or

Selected: CR TSC OSC EOF JNC JAF

## 4.2.1 cont'd

## FACILITY ACTIVATION REQUIREMENTS

NOTE: IF potential routing hazards exist for facility activation, THEN include the routing hazards in an announcement.

Facility	Unusual Event (0700-1530)	Unusual Event (After 1530, Weekends, Holidays)	Alert	Site Area Emergency	General Emergency
TSC	ED Decides	X <sup>(1)</sup>	X	X	X
OSC	ED Decides	X <sup>(1)</sup>	X	X	X
EOF	ED Decides	ED Decides	X	X	X
JNC	ED Decides	ED Decides	X	X	X

<sup>(1)</sup> TSC and OSC must be activated at the Unusual Event classification during off-hours UNLESS the ED is confident that the emergency will not escalate.

(Facility activation may be modified by the Emergency Director if the safety of incoming personnel may be jeopardized by a security event or other event hazardous to incoming personnel.)

NOTE: Pagers should be activated at the NUE and once again at the ALERT or higher classification.

## PAGER ACTIVATION MATRIX

FIRST DIGIT	SECOND DIGIT	THIRD DIGIT
INFORMATION	CLASSIFICATION	FACILITY ACTIVATED
1 = Actual Event	1 = NUE	1 = Report to CR/OSC/TSC
2 = Drill or Exercise	2 = Alert	2 = Report to CR/OSC/TSC/EOF/JNC
9 = Pager/On-call TEST only	3 = SAE	3 = On duty only report to CR/OSC/TSC/EOF/JNC
	4 = GE	7 = Personnel assigned a pager call CAN 800-205-5175 (respond to CAN prompts as directed)
	9 = None	8 = All personnel report to EOF for further instructions.
		9 = No response required

## 4.2.1 cont'd

- C. Designate an individual to sound the Station Alarm and make the following announcement. (twice)

"Attention, Attention a(n) (Unusual Event, Alert, or Site Area Emergency) has been declared at the James A. FitzPatrick Nuclear Power Plant. Activate the (specify the facilities to be activated).

OR

"Attention, Attention a GENERAL EMERGENCY has been declared at the James A. FitzPatrick Nuclear Power Plant. Activate the (specify the facilities to be activated). Potassium Iodide is authorized for use by all personnel in the JAF owner controlled area on a voluntary basis".

- D. Determine and make Protective Action Recommendations (PARs) to offsite authorities (using procedure EAP-4, Attachment 1).
- E. Review and approve Part 1 form prior to transmittal to offsite authorities. During AOP-43, this may mean contacting the SSS at extension 3456,6424 or 6422.
- F. Review NRC Event Notification Worksheet prior to transmittal to NRC. During AOP-43, this may mean contacting the SSS at extension 3456,6424 or 6422.
- G. Review IAP-1 checklist upon classification and reclassification of an emergency.
- H. Designate an individual to maintain communications with the TSC, OSC and EOF using the 4-way hotline, or by conference call, if appropriate, when any of those facilities are staffed.

4.2.2 The Control Room Communications Aide shall initiate notifications as directed by the Emergency Director using the following (or by using Attachment 14, Control Room Notification Flowchart) or Attachment 15, Control Room Notification Flowchart For Use in Control Room Evacuation per AOP-43. (Attachment 15 should only be used when a Control Room evacuation has been ordered):

A. State and County notifications using Part 1 form via the RECS phone:

1. Prepare Part 1 form:

- a. Obtain meteorological data. (Guidance may be obtained using procedure EAP-42, OBTAINING METEOROLOGICAL DATA.)
- b. Complete Part 1 form.
- c. Obtain Emergency Director signature.
- d. Transmit Part 1 form within 15 minutes of the emergency declaration, reclassification, initial PARs or PAR changes using the RECS phone.

2. To activate RECS phone:

- a. Pick up handset.
- b. Press A then \* on the touch tone keypad to initiate ring.
- c. Wait approximately 10 seconds before starting to transmit. This will allow time for other parties to pick up their phones.
- d. Press button on underside of handset to talk.
- e. Read Part 1 form introductory announcement and roll call.
- f. When roll call is completed read the "General Information" portion of the form. Fill out Line 1 at this time.
- g. Perform final roll call as indicated at bottom of Part 1 form.

## 4.2.2.A.2. cont'd

h. Sign off by stating: "James A. FitzPatrick Nuclear Power Plant out at (date, time)."

i. Hang up the phone.

NOTE: IF the RECS line is out of service, THEN, using backup methods, notify the State first followed by the County, then Nine Mile Point.

j. IF the RECS telephone is inoperable, OR any parties did not respond to roll call, THEN contact these agencies using a regular telephone. Refer to Attachment 14, Control Room Notification Flowchart, for phone numbers.

IF regular telephone service is not available, THEN use the cellular phone extension (labeled cellular phone) in the Shift Manager's office, TSC, or SSS office. This phone is operated in the same manner as any phone not connected to the plant switch. (Do not dial "9" for an outside line.)

The radio may be used as a back-up communications path to contact Oswego County. Request that the Oswego County E-911 (Warning Point) relay the information to the State and NMPC using RECS or other means if RECS is not available from E-911. Refer to Attachment 10 for instructions regarding contacting Oswego County via radio.

## 4.2.2.A.2.j. cont'd

**NOTE:** Transmittal of Part 1 form Notification Fact Sheet (Attachment 1) is required within 15 minutes of emergency declaration, reclassification, initial PARs or PAR changes. Updates are required approximately every 30 minutes unless an agreement is reached with NYS and Oswego County that 30 minute updates are not necessary. IF updates are suspended, THEN a Part 1 form transmittal will be made upon reclassification, PAR changes, significant plant condition changes and/or event termination.

Transmittal of NRC Event Notification Worksheet (Attachment 6) is required immediately after notification of New York State and Oswego County and not later than one hour after the declaration of an emergency or reclassification of an emergency.

- k. Perform notification updates as required by this procedure.
- B. NRC notification using Event Notification Worksheet and ENS phone:
  - 1. Prepare Event Notification Worksheet
    - a. Request assistance from Control Room staff.
    - b. Ensure that SM/ED reviews completed Event Notification Worksheet prior to transmittal.



## 4.2.2. cont'd

- C. Transmit Event Notification Worksheet immediately after notification of New York State and Oswego County and not later than one hour after the declaration of an emergency.

Instruct the designated communicator to transmit the Event Notification Worksheet (Attachment 6), or Attachment 13 for AOP-43, over the ENS telephone in accordance with this section, as follows:

1. Dial the first telephone number found on the colored sticker on the Emergency Notification System (ENS) phone.
2. Read information from the Event Notification Worksheet and answer any questions.
3. Record the Log Number given by the NRC Headquarters phone talker on the top of the form.
4. Maintain an open, continuous communication channel with the NRC Operations Center upon request by the NRC. A log should be maintained to provide continuity of data. The log should include questions asked by the NRC and the answers provided. This log should be transferred from the Control Room.
5. Attempt to complete and transmit the Event Notification Worksheet on an hourly basis unless questions from the NRC prevent this.
  - a. IF ENS phone is not operable, THEN use a commercial phone and dial the numbers on the colored sticker on the ENS telephone OR Event Notification Worksheet. Additional information regarding the ENS is provided in Attachment 9. Alternate telephone numbers are listed in Attachment 5.

## 4.2.2. cont'd

## D. Notification of NRC Resident Inspector:

1. Dial appropriate phone number from Attachment 14, Control Room Notification Flowchart, using a regular telephone.
2. Report information using Part 1 form and other sources as requested.

## E. Complete the Control Room Notification Checklist (Attachment 4).

## F. Transfer completed forms and checklists to the Communications and Records Coordinator or designee in the TSC when requested.

4.2.3 Continue to perform offsite notifications until relieved of that function by the TSC or EOF.

4.2.4 IF qualified personnel are available to perform communications in the TSC, THEN the notification functions may be performed in the TSC as directed by the ED.

## 4.3 Technical Support Center Procedure

4.3.1 When the TSC is operational, the Emergency Director normally delegates communications responsibilities to the Communications and Records Coordinator through the TSC Manager.

4.3.2 IF the emergency escalates from an NUE to an Alert or higher classification, THEN the Emergency Director should direct Security to reactivate the pagers and, if appropriate, CAN. This is to ensure all facilities are activated.

4.3.3 The Emergency Director shall review and approve all Part 1, 2 and 3 forms (Attachment 1, Attachment 2 and Attachment 3) prior to transmittal from the TSC.

4.3.4 The Emergency Director (or Emergency Plant Manager, when the Emergency Director has relocated to the EOF) shall review all NRC Event Notification Worksheets (Attachment 6) prior to transmittal from the TSC.

4.3.5 IF the Emergency Director is located at the TSC, THEN  
The Communications and Records Coordinator shall:

- A. Designate a qualified communicator to prepare and transmit Part 1 forms to offsite agencies within 15 minutes of emergency declaration, reclassification, initial PARs or PAR changes. Updates are required approximately every 30 minutes unless an agreement is reached with New York State and Oswego County that 30-minute updates are not necessary. IF updates are suspended, THEN a Part 1 form transmittal will be made upon reclassification, PAR changes, significant plant condition changes and/or event termination.

**CAUTION**

Verify that the Emergency Director has approved the Part 1 form prior to transmittal.

- B. Perform an initial RECS line test in accordance with the desktop aide at the RECS phone.
- C. IF at any time the RECS telephone is inoperable THEN the Communications and Records Coordinator should ensure that the problem is reported to Verizon in accordance with Attachment 11.

NOTE: IF at anytime releases go below Tech Specs, THEN the next Part 1 form should reflect this change.

- D. Instruct the designated communicator to transmit Part 1 form using the RECS phone; Pick up RECS handset.
1. Press A then \* on the touch-tone keypad to initiate ring.
  2. Wait approximately 10 seconds. This will allow time for other parties to pick up their phones.
  3. Press button on the underside of handset to talk.
  4. Read Part 1 form introductory announcement and roll call.

## 4.3.5.D cont'd

5. When roll call is completed:
  - a. Read "General Information" portion of form. Fill out Line 1 at this time.
6. Perform final roll call as indicated at bottom of Part 1 form.
7. Sign off by stating "James A. FitzPatrick Nuclear Power Plant out at (date, time)."
8. Hang up the phone.

NOTE: IF the RECS line is out of service, THEN, using backup methods, notify the State first followed by the County, then Nine Mile Point.

9. IF the RECS telephone is inoperable, or if any parties did not respond to roll call, THEN contact these agencies using a regular telephone. Refer to Attachment 5, RECS/NRC Backup Communications Checklist, for phone numbers.

IF regular telephone service is not available, THEN use the cellular phones provided in the TSC. These phones are labeled as cellular phones. These phones are dialed in the same manner as any phone not connected to the plant switch. (Do not dial "9" for an outside line.) A satellite phone is also available in the TSC. (Dial 1-area code-7 digit number, then press "send".)

The radio may be used as a back-up communications path to contact Oswego County. Request that the Oswego County E-911 (Warning Point) relay the information to the State and NMPC using RECS or other means if RECS is not available from Fire Control.

Refer to Attachment 10 for instructions regarding contacting the Sheriff's Department via radio.

## 4.3.5.D cont'd

10. Perform notification updates as required by this procedure.

NOTE: Consider providing a Part 2 form to alleviate off-site organization concerns regarding radiological issues during abnormal releases below Federally Approved Limits (Technical Specifications).

E. IF a release greater than the Technical Specifications has occurred, THEN perform the following:

1. Instruct the Rad Support Coordinator, via the TSC Manager, to complete a Part 2 form (Attachment 2). Updates are required approximately every 30 minutes unless an agreement is reached with New York State and Oswego County that 30 minute updates are not necessary.
  - a. Continue to update Part 2 form at approximately 30 minute intervals, even if releases go below Tech Specs until release rates are at pre-event levels or agreement is reached with the state and county to stop updating Part 2 forms.
2. Instruct the Rad Support Coordinator to provide Oswego County and New York State with actual isotopic mix of the release as soon as it is available.

F. IF requested by the NRC, THEN instruct the Rad Support Coordinator to designate an individual to transmit information via the Health Physics Network (HPN) phone. Refer to Attachment 9, Section 2, for dialing instructions.

## 4.3.5. cont'd

- G. Instruct the Technical Coordinator, via the TSC Manager, to complete a Part 3 form (Attachment 3). Updates are required approximately every 30 minutes unless an agreement is reached with New York State and Oswego County that 30-minute updates are not necessary.

**CAUTION**

Verify that the Emergency Director has approved all Part 1, Part 2 and Part 3 forms prior to transmittal.

- H. Designate an individual to fax completed Part 1, 2 and 3 forms to New York State and Oswego County plus the EOF, JNC and ENN Corporate Offices as required.
- I. Designate a qualified communicator (normally the NRC Communicator) to prepare and transmit the Emergency Notification Worksheet (Attachment 6) using copies of the prepared Part 1, 2 and 3 forms. Assistance may be requested from TSC staff (eg. the Rad Support Coordinator and staff can provide release rate information in accordance with EAP-4). NRC notification is required immediately after notification of New York State and Oswego County and not later than one hour after the declaration of an emergency or reclassification of an emergency.

NOTE: ENS notification will normally remain a TSC function unless agreed upon by TSC manager and the EOF Manager.

NOTE: The Emergency Director (or Emergency Plant Manager, when the Emergency Director has relocated to the EOF) shall review all NRC Event Notification Worksheets (Attachment 6) prior to transmittal from the TSC.

## 4.3.5. cont'd

J. Instruct the designated communicator to transmit the Event Notification Worksheet (Attachment 6) over the ENS telephone in accordance with this section, as follows:

1. Dial the first telephone number found on the colored sticker on the Emergency Notification System phone.
2. Read information from the Event Notification Worksheet and answer any questions.
3. Record the Log Number given by the NRC Headquarters phone talker on the top of the form.
4. Maintain an open, continuous communication channel with the NRC Operations Center upon request by the NRC. A log should be maintained to provide continuity of data. The log should include questions asked by the NRC and the answers provided. This log should be transferred from the Control Room.
5. Attempt to complete and transmit the Event Notification Worksheet on an hourly basis unless questions from the NRC prevent this.
6. IF ENS phone is not operable, THEN use a commercial phone and dial the numbers on the colored sticker on the ENS telephone OR the numbers on the top of the Event Notification Worksheet. Additional information regarding the ENS is provided in Attachment 9. Alternate telephone numbers are listed in Attachment 5.

NOTE: Attachment 8 may remain a TSC function if agreed upon by the TSC Manager and EOF Manager.

## 4.3.5. cont'd

- K. Designate a communicator to complete the TSC/EOF Emergency Notification Checklist, Attachment 8. Relay relevant information from the Part 1 form in accordance with this procedure as follows:
1. Ensure that notifications have been made to organizations listed on Attachment 8, items #1-5.
  2. Contact organizations listed on Attachment 8 (items #6-12) as directed.
  3. IF party does not answer after a reasonable number of rings (eg. 10), THEN proceed to next party.
  4. Upon completion of checklist, attempt to contact bypassed parties. Use other means such as relay through another party if necessary.
  5. Make reasonable effort to answer questions that may be asked and are not on the Part 1 form but do not allow these requests to delay the overall notification process.
- L. Insure TSC status boards are updated to reflect the most current information. Displayed information should be consistent with other Emergency Response Facilities. The communicators on the 4-way hotline should assure this. (The 4-way hotline communicators should be Licensed SROs, if possible.)
- 4.3.6 Announcements over the plant public address system should be made reflecting plant status.
- 4.3.7 The Emergency Director Aide shall explain and discuss Part 1, 2 and 3 forms with the New York State and Oswego County representatives in the EOF. This information should be available from the TSC or EOF. (The Emergency Director Aide will provide this information through all phases of an emergency.)



- 4.3.8 No press releases shall be made prior to completion of initial notifications. Press releases shall only be made by the plant Manager of Communications or other authorized public information representative.
- 4.3.9 No information shall be provided to outside individuals or organizations except as designated by this procedure. Any such callers should be referred to the plant Manager of Communications at 342-3840 extension 6681 or the Joint News Center at 592-3700, as appropriate.
- 4.3.10 Offsite agency contacts shall be transferred to the EOF when the EOF is operational and ready to assume this function. This transfer shall consist of a turnover from the TSC to the EOF Manager.

#### 4.4 Emergency Operations Facility Procedure

- 4.4.1 When the EOF is operational, the Emergency Director normally delegates communications responsibilities to the EOF Manager.
- 4.4.2 The Emergency Director shall review and approve all Part 1, 2 and 3 forms (Attachments 1, 2 and 3) prior to transmittal from the EOF.
- 4.4.3 IF the emergency escalates from an NUE to an Alert or higher classification, THEN the Emergency Director should direct Security to reactivate the pagers and, if appropriate, CAN. This is to ensure all facilities are activated.

## 4.4.4 The EOF Manager shall:

- A. Designate a qualified communicator (normally the RECS Communicator) to prepare and transmit Part 1 forms to offsite agencies within 15 minutes of emergency declaration, reclassification, initial PARs or PAR changes. Updates are required approximately every 30 minutes unless an agreement is reached with New York State and Oswego County that 30-minute updates are not necessary. IF updates are suspended, THEN a Part 1 form transmittal will be made upon reclassification, PAR changes, significant plant condition change and/or event termination.

**CAUTION**

Verify that the Emergency Director has approved all Part 1 forms prior to transmittal.

- B. Perform an initial RECS line test in accordance with the desktop aide at the RECS phone.
- C. IF at any time the RECS telephone is inoperable THEN the EOF Manager should ensure that the problem is reported to Verizon in accordance with Attachment 11.

NOTE: IF at anytime releases go below Tech Specs, THEN the next Part 1 form should reflect this change.

- D. Instruct the designated communicator transmit Part 1 form using the RECS phone.
1. Pick up RECS handset.
  2. Press A then \* on the touch-tone keypad to initiate ring.
  3. Wait approximately 10 seconds. This will allow time for other parties to pick up their phones.
  4. Press button on the underside of handset to talk.
  5. Read Part 1 form introductory announcement and roll call.
  6. When roll call is completed:
    - a. Read "General Information" portion of form. Fill out Line 1 at this time.

## 4.4.4.D cont'd

7. Perform final roll call as indicated at bottom of Part 1 form.
8. Sign off by stating "James A. FitzPatrick Nuclear Power Plant out at (date, time)."
9. Hang up the phone.

NOTE: IF the RECS line is out of service, THEN, using backup methods, notify the State first followed by the County, then Nine Mile Point.

10. IF the RECS telephone is inoperable, or if any parties did not respond to roll call, THEN contact these agencies using a regular telephone. Refer to Attachment 5, RECS/NRC Backup Communications Checklist, for phone numbers. (Oswego County Warning Point may be contacted using the EOF radio as a backup if the phone systems are inoperative.)

11. Perform notification updates as required by this procedure.

NOTE: Consider providing a Part 2 form to alleviate off-site organization concerns regarding radiological issues during abnormal releases below Federally Approved Limits (Technical Specifications).

E. IF a release greater than the Technical Specifications has occurred, THEN perform the following:

1. Instruct the Rad Support Coordinator to complete a Part 2 form (Attachment 2). Updates are required approximately every 30 minutes unless an agreement is reached with New York State and Oswego County that 30-minute updates are not necessary.
  - a. Continue to update Part 2 form at approximately 30 minute intervals, even if releases go below Tech Specs until release rates are at pre-event levels or agreement is reached with the state and county to stop updating Part 2 forms.

## 4.4.4.E cont'd

2. Instruct the Rad Support Coordinator to provide Oswego County and New York State with actual isotopic mix of the release as soon as it is available.
  3. IF requested by the NRC, THEN instruct the Rad Support Coordinator to designate an individual to transmit information via the Health Physics Network (HPN) phone. Refer to Attachment 9, Section 2, for dialing instructions.
- F. Instruct the Technical Liaison to complete a Part 3 form (Attachment 3). Updates are required approximately every 30 minutes unless an agreement is reached with New York State and Oswego County that 30-minute updates are not necessary.

**CAUTION**

Verify that the Emergency Director has approved all Part 1, 2 and 3 forms prior to transmittal.

- G. Designate an individual to fax completed Part 1, 2 and 3 forms to New York State and Oswego County plus the TSC, JNC and ENN Corporate Offices as required.
- H. IF an ALERT or higher has been declared, THEN ensure that the EOF Communicator is updating the EP Overview Web Page with RECS Part 1 form information, AND county implemented protective actions for the public.
  1. IF the County's Nuclear Facility Liaison Officer is present in the EOF, THEN request that individual to provide information to you regarding any county implemented Protective Actions as soon as practical following the county's decision to implement a protective action.

## 4.4.4.H cont'd

2. IF the County's representative is not present in the EOF, THEN contact the Oswego County Emergency Operations Center at 591-9150, or through the Entergy representative at the County Emergency Operations Center, AND request that the county provide information to you regarding any county implemented protective actions as soon as practical following the county's decision to implement a protective action.
  - I. IF it is determined that monitoring of the ENS phone is necessary, THEN designate a communicator to establish a JAF/EOF ENS phone link in accordance with Attachment 9, Section 2.3. Attachment 6 (NRC Event Notification Worksheet) may be used to record data. (IF the NRC cannot be contacted via the ENS phone, THEN establish a conference call using the alternate commercial phone number listed in Attachment 5.
  - J. Record the Log Number given by the NRC Headquarters phone talker on the top of the form.
- NOTE: Attachment 8 may remain a TSC function if agreed upon by the TSC Manager and EOF Manager.
- K. Designate a communicator to complete the TSC/EOF Emergency Notification Checklist, Attachment 8. Relay relevant information from the Part 1 form in accordance with this procedure as follows:
    1. Ensure that notifications have been made to organizations listed on Attachment 8, items #1-5.
    2. Contact organizations listed on Attachment 8 (items #6-12) as directed using commercial telephone.
    3. IF party does not answer after a reasonable number of rings (eg. 10), THEN proceed to next party.
    4. Upon completion of checklist, attempt to contact bypassed parties. Use other means such as relay through another party if necessary.

## 4.4.4.K cont'd

5. Make reasonable effort to answer questions that may be asked and are not on the Part 1 form but do not allow these requests to delay the overall notification process.

L. Ensure EOF status boards are updated to reflect the most current information. Displayed information should be consistent with other Emergency Response Facilities. The communicators on the 4-way hotline should assure this. (The 4-way hotline communicators should be Licensed SROs, if possible.)

4.4.5 Announcements over the EOF public address system should be made reflecting plant status. To access the EOF paging system, dial "5899" using any EOF phone.

4.4.6 The Emergency Director Aide shall explain and discuss Part 1, 2 and 3 forms with the New York State and Oswego County representatives in the EOF. This information should be available from the TSC or EOF. (The Emergency Director Aide will provide this information through all phases of an emergency.)

4.4.7 No press releases shall be made prior to completion of initial notifications. Press releases shall only be made by the plant Manager of Communications or other authorized public information representative.

4.4.8 No information shall be provided to outside individuals or organizations except as designated by this procedure. Any such callers should be referred to the plant Manager of Communications at 342-3840 extension 6681 or the Joint News Center at 592-3700, as appropriate.

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5.0 ATTACHMENTS

1. PART 1 GENERAL INFORMATION
2. PART 2 RADIOLOGICAL ASSESSMENT DATA
3. PART 3 PLANT PARAMETERS
4. CONTROL ROOM NOTIFICATION CHECKLIST
5. RECS/NRC BACKUP COMMUNICATIONS CHECKLIST
6. NRC EVENT NOTIFICATION WORKSHEET
7. ADDITIONAL TELEPHONE NUMBERS WHICH MAY BE OF USE
8. TSC/EOF EMERGENCY NOTIFICATION CHECKLIST
9. NRC EMERGENCY TELECOMMUNICATIONS SYSTEM (ETS)
10. OPERATION OF RADIO FOR BACKUP COMMUNICATIONS
11. INSTRUCTIONS FOR REPORTING RECS PROBLEMS
12. QUESTIONS TO BE EXPECTED BY NRC DURING EMERGENCIES
13. AOP-43/AOP-28 OFFSITE NOTIFICATION FORMS (PARTIALLY COMPLETED)- PART 1  
GENERAL INFORMATION (PARTIALLY COMPLETED)
14. CONTROL ROOM NOTIFICATION FLOWCHART
15. CONTROL ROOM NOTIFICATION FLOWCHART FOR USE IN CONTROL ROOM  
EVACUATION PER AOP-43

New York State **PART I Form NOTIFICATION FACT SHEET**

Sequence No. \_\_\_\_\_ From: \_\_\_\_\_ E D Approval: \_\_\_\_\_

"This is to report an incident at the James A. FitzPatrick Power Plant. Standby for confirmation." (Conduct roll call to include the following stations:) ☐ New York State Warning Point ☐ Oswego County Warning Point ☐ Nine Mile Point Unit #1 ☐ Nine Mile Point Unit #2  
Upon completion of roll call provide information as outlined below:

**GENERAL INFORMATION (Note: ○ When Checked Indicates change in status)**

<input checked="" type="radio"/> 1. Message transmitted on: (Date) _____ at (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM Via: A. RECS B. Other _____	<input type="checkbox"/> NY State : 518-457-2200 <input type="checkbox"/> Oswego Co.: 591-9150 or 911 <input type="checkbox"/> NMP # 1: 349-2841 or 349-2842 or Control Room Hotline <input type="checkbox"/> NMP # 2: 349-2168 or 349-2169 or Control Room Hotline
<input type="radio"/> 2. This Is A. NOT An Exercise B. An Exercise	
<input type="radio"/> 3. Facility Providing Information: D. NMP #1 E. NMP #2 F. FitzPatrick	
<input type="radio"/> 4. Classification: A. Unusual Event B. Alert C. Site Area Emergency D. General Emergency E. Emergency Terminated F. Recovery	
<input type="radio"/> 5. This Emergency Classification Declared on: (Date) _____ at (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM	
<input type="radio"/> 6. Release of Radioactive Materials Due to The Classified Event A. NO Release B. Release BELOW federally approved operating limits (Technical Specification) <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water C. Release ABOVE federally approved operating limits (Technical Specification) <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water D. Unmonitored release requiring evaluation	
<input type="radio"/> 7. The following Protective Actions are recommended to be implemented as soon as practical: A. NO Need for Protective Actions Outside The Site Boundary B. EVACUATE and implement the KI plan for the following ERPAs and shelter all remaining ERPAs 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	
<input type="radio"/> 8. EAL Number _____ Brief Event _____ Description: _____ _____ _____	
<input type="radio"/> 9. Plant Status: A. Stable B. Improving C. Degrading D. Hot Shutdown E. Cold Shutdown	
<input type="radio"/> 10. Reactor Shutdown: A. Not Applicable B. (Date) _____ at (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM	
<input type="radio"/> 11. Wind Speed Elevated: _____ Miles/Hour Wind Speed Ground _____ Miles/Hour.	
<input type="radio"/> 12. Wind Direction Elevated (From): _____ Degrees Wind Direction Ground (From) _____ Degrees.	
<input type="radio"/> 13. Stability Class (Pasquill): Elevated A B C D E F G Ground A B C D E F G	
<input type="radio"/> 14. Reported By: Name _____ Phone Number (315)- _____	

\*(Name of Agency), Do you have any questions?

☐ New York State Warning Point ☐ Oswego County Warning Point ☐ Nine Mile Point Unit #1 ☐ Nine Mile Point Unit #2  
"James A. FitzPatrick Nuclear Power Plant out at (date, time)"



JAFNPP

■ Outgoing from FitzPatrick

Sequence Number \_\_\_\_\_ Emergency Director Approval: \_\_\_\_\_

New York State **PART 2** Form **RADIOLOGICAL FACT SHEET**

Radiological Assessment Data (Use 24 hour clock for times)

15. Message transmitted at (Date) \_\_\_\_\_ (Time) \_\_\_\_\_

Facility Transmitted From: FitzPatrick at location \_\_\_\_\_.

16. General Release Information:

A. Release &gt; Tech Specs started: Date \_\_\_\_\_ Time \_\_\_\_\_

B. Release &gt; Tech Specs expected to end: Date \_\_\_\_\_ Time \_\_\_\_\_ or unknown Intermittent

C. Release &gt; Tech Specs ended: Date \_\_\_\_\_ Time \_\_\_\_\_

D. Reactor Shutdown: N/A or Date \_\_\_\_\_ Time \_\_\_\_\_

E. Wind Speed Elevated: \_\_\_\_\_ Miles/Hour Wind Speed Ground: \_\_\_\_\_ Miles/Hour

F. Wind Direction Elevated (From): \_\_\_\_\_ Degrees Wind Direction Ground (From): \_\_\_\_\_ Degrees

G. Stability Class (Pasquill): elevated A B C D E F G ground A B C D E F G

17. Atmospheric Release Information

A. Release from: ☐ Ground ☐ Elevated D. Noble Gas Release Rate \_\_\_\_\_ Ci/sec

B. Iodine/Noble Gas Ratio \_\_\_\_\_ E. Iodine Release Rate \_\_\_\_\_ Ci/sec

C. Total Release Rate \_\_\_\_\_ Ci/sec F. Particulate Release Rate \_\_\_\_\_ Ci/sec

18. Waterborne Release Information

A. Volume of Release \_\_\_\_\_ gallons or liters C. Radionuclides in Release \_\_\_\_\_ (or attach)

B. Total Concentration \_\_\_\_\_  $\mu\text{Ci/ml}$  D. Total Activity Released \_\_\_\_\_

19. Dose Calculations (based on an assumed release duration of \_\_\_\_\_ hours)

Calculation based on (circle one)

A. Inplant Measurements B. Field Measurements C. Assumed Source Term

Table below applies to (circle one) A. Atmospheric Release B. Waterborne Release

DISTANCE	DOSE	
	TEDE (rem)	CDE - Child Thyroid (rem)
Site Boundary		
2 Miles		
5 Miles		
10 Miles		
_____ Miles		

20. Field Measurements at Dose Rates or Surface Contamination/Deposition

Mile/Sector OR Mile/Degrees	Location OR Sampling Point	Time at Reading	Dose Rate OR Contamination (include Units)

IAFNPP

■ Outgoing from FitzPatrick

Sequence Number \_\_\_\_\_ Emergency Director Approval: \_\_\_\_\_

New York State PART 3 Form PLANT PARAMETERS

APRM REACTOR POWER	_____	%
IRM REACTOR POWER	_____	%
SRM REACTOR POWER	_____	CPS
RPV LEVEL	_____	Inch TAF
RPV PRESS	_____	PSIG
FEEDWATER FLOW	_____	MLB/HR
HPCI PUMP FLOW	_____	GPM
RCIC PUMP FLOW	_____	GPM
LPCI A FLOW	_____	GPM
LPCI B FLOW	_____	GPM
"A" CORESPRAY FLOW	_____	GPM
"B" CORESPRAY FLOW	_____	GPM
DRYWELL PRESSURE	_____	PSIG
DRYWELL TEMPERATURE	_____	Deg F
DRYWELL SUMP LEVEL	_____	Feet
DRYWELL H2 CONC	_____	%
DRYWELL O2 CONC	_____	%
TORUS WATER AVG TMP	_____	Deg F
TORUS WATER LEVEL	_____	Feet
CST LEVEL	_____	Inch
STACK GAS RAD	_____	μCi/s
STACK HI RANGE RAD	_____	Ci/s
RX BLDG VENT RAD	_____	μCi/s
REFUEL FLR VENT RAD	_____	μCi/s
DRYWELL RAD Monitor	_____	R/Hr
HIGHEST MSL RAD MON	_____	mR/Hr
TB BLDG VENT RAD	_____	μCi/s
TB BLD HI RANGE RAD	_____	Ci/s
RW BLDG VENT RAD	_____	μCi/s
RW BLD HI RANGE RAD	_____	Ci/s
OFFGAS RAD	_____	mR/Hr
SERVICE WATER RAD	_____	μCi/ml

CONTROL ROOM NOTIFICATION CHECKLIST

Page 1 of 1

Verify that the following notifications have been made:

- |    |  |                                    |   |
|----|--|------------------------------------|---|
| 1. | New York State Warning Point   | <input type="checkbox"/> RECS      | <input type="checkbox"/> Other _____<br>(Ref. Attachment 5) |
| 2. | Oswego County Warning Point  | <input type="checkbox"/> RECS      | <input type="checkbox"/> Other _____<br>(Ref. Attachment 5) |
| 3. | Nine Mile Point Unit #1  | <input type="checkbox"/> RECS      | <input type="checkbox"/> Other _____<br>(Ref. Attachment 5) |
| 4. | Nine Mile Point Unit #2  | <input type="checkbox"/> RECS      | <input type="checkbox"/> Other _____<br>(Ref. Attachment 5) |
| 5. | NRC Operations Center  | <input type="checkbox"/> ENS       | <input type="checkbox"/> Other _____<br>(Ref. Attachment 5) |
| 6. | NRC Resident Inspector   | <input type="checkbox"/> Phone     | <input type="checkbox"/> Pager<br>(Ref. Attachment 14)      |
| 7. | Security Call-outs of Plant<br>Staff using procedure EAP-17,<br>EMERGENCY ORGANIZATION STAFFING,<br>if call-outs are required. | <input type="checkbox"/> Completed | <input type="checkbox"/> Not Required                       |

Time \_\_\_\_\_

Communicator

Signature \_\_\_\_\_

Date \_\_\_\_\_

1)

\_\_\_\_\_  
(Name of Person Contacted)/(Notification Time)

New York State Warning Point

NYSWP  
(State Emergency Management Office)  
518/457-2200

2)

\_\_\_\_\_  
(Name of Person Contacted)/(Notification Time)

Oswego County Warning Point

(Oswego County Emergency  
Management Office)  
(Name of Person Contacted)/  
(Notification Time)  
Normal Duty Hours  
(0830 - 1630) Mon - Fri  
315/591-9150 or  
315/591-9189

(Oswego County E-911)  
Non-Duty Hours  
911

3)

\_\_\_\_\_  
(Name of Person Contacted)/(Notification Time)

NOTE: Manned 24 hours a day.

Nine Mile Point Nuclear Power  
Station, Control Room

NMPNPS Unit #1 CR  
349-2841 or  
349-2842 or  
349-2843

\_\_\_\_\_  
(Name of Person Contacted)/(Notification Time)

NOTE: Manned 24 hours a day.

NMPNPS Unit #2 CR  
349-2168 or  
349-2169  
349-2170

4)

\_\_\_\_\_  
(Name of Person Contacted)/(Notification Time)

NOTE: Manned 24 hours a day.

NRC Operations Center  
primary: 301-816-5100  
backup: 301-951-0550

Communicator

Signature \_\_\_\_\_

Time \_\_\_\_\_

Date \_\_\_\_\_

## Page 1 of 2

PAGE 1 OF 2

NRC FORM 361 (12-2000)

PRINTED ON RECYCLED PAPER

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# NRC EVENT NOTIFICATION WORKSHEET

Page 2 of 2

## ADDITIONAL INFORMATION

PAGE 2 OF 2

<b>RADIOLOGICAL RELEASES: CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)</b>						
LIQUID RELEASE	GASEOUS RELEASE	UNPLANNED RELEASE	PLANNED RELEASE	ONGOING	TERMINATED	
MONITORED	UNMONITORED	OFFSITE RELEASE	T. S. EXCEEDED	RM ALARMS	AREAS EVACUATED	
PERSONNEL EXPOSED OR CONTAMINATED			OFFSITE PROTECTIVE ACTIONS RECOMMENDED		*State release path in description	

	Release Rate (Ci/sec)	% T. S. LIMIT	HOO GUIDE	Total Activity (Ci)	% T. S. LIMIT	HOO GUIDE
Noble Gas			0.1 Ci/sec			1000 Ci
Iodine			10 uCi/sec			0.01 Ci
Particulate			1 uCi/sec			1 mCi
Liquid (excluding tritium and dissolved noble gases)			10 uCi/min			0.1 Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						

	PLANT STACK	CONDENSER/AIR EJECTOR	MAIN STEAM LINE	SG BLOWDOWN	OTHER
RAD MONITOR READINGS					
ALARM SETPOINTS					
% T. S. LIMIT (If applicable)					

**RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description)**

LOCATION OF THE LEAK (u.g., SG #, valve, pipe, etc.)

LEAK RATE	UNITS: gpm/gph	T. S. LIMITS	SUDDEN OR LONG-TERM DEVELOPMENT
LEAK START DATE	TIME	COOLANT ACTIVITY AND UNITS:	PRIMARY SECONDARY

LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL

EVENT DESCRIPTION (Continued from front)

EAP-1.1  
Rev. No. 52

OFFSITE NOTIFICATIONS

ATTACHMENT 6  
Page 35 of 51

Agency/Individual	Telephone Number	Agency/Individual	Telephone Number
American Nuclear Insurers	860/561-3433	Niagara Mohawk Customer Service. NMP-1 Control Room. NMP-2 Control Room.....	315/343-0162 315/349-2841 315/349-2168
Dr. David O'Brien Home Office	315/343-4348 315/343-2484	Oswego County Emergency Management Office	315/591-9150
EA Engineering, Science and Technology Dr. Steven Jinks	914/565-8100	Oswego County Sheriff R. Todd	315/343-5490
Emergency Operations Facility.	315/593-5700	Oswego Hospital Administrator Corte J. Spencer.	315/349-5520
Emergency Preparedness Manager Nicholas Avrakotos (home). Pete Cullinan (home) Jay Rogers (home)	Ext. 6773 315/342-5257 315/343-1138 315/963-8535	Radiation Management Consultants, Inc Emergency 24 Hours Primary	215/243-2990 215/824-1300
Energy Information Center	315/342-4117	Radiation Safety Officer Dr. C.C. Chamberlain	315/464-6510
INPO Emergency Response Duty Officer	800/321-0614	R.E. Ginna NPP	716/546-2700 315/524-4446
JAF Manager of Communications Bonnie Bostian (home)	Ext. 6681 315/343-7592	University Hospital at Syracuse VP Hospital Affairs Thomas J. Campbell	315/464-4240
JAF Training Center Accountability Officer	ext. 6410 or 6495	U.S. Coast Guard - Buffalo	716/843-9500 or 716/843-9525
JAF Joint News Center	592-3700	U.S. Coast Guard - Oswego	315/343-1551
National Center for Earthquake Engineering Research	716/645-3391	U.S. Department of Energy Rad Assistance Program	631/282-2200
National Weather Service	315/455-1214	U.S. NRC Resident Inspector Office Plant Extension Office Outside Line Cell phone	6667 315/342-4907 or 315/342-4908 484-868-1487
FBI Syracuse On-Call	315/422-0141		
FEMA Regional Director - Robert Reynolds	Office 212/680-3621 Cell 917/334-0119 Pager 917/785-6077		
FEMA Director Backup - Becca Thompson	Office 212/680-8509 Cell 646/295-6995 Pager 917/785-6074	FAA Hancock On-Call Syracuse Officer Boston MASS	315/455-3840 315/455-6117 603/879-6655
Recovery Support Group Manager Beeper Dial 1-800-759-8888, wait for prompt, then: enter pin 1170881 followed by (#). After you hear the quick tones enter the telephone number you want the RSGM to call you back at: 315-xxx-xxxx followed by (#). Then hang up.		Doug Dempsey (home) Cell Phone Number	315/342-6985 1-484-868-2197
		Len Cline (home) Cell Phone Number	315/635-0101 1-484-868-1487
WPO Public Relations Laurence Gottlieb	(914) 272-3360 (Office) (877) 681-9682 (Pager) (914) 747-3836 (Home)	U.S. NRC Operations Center Fax	301/816-5151
N. Y. State Bureau of Radiation Control Director Dr. Ramawi	518/402-7550	U.S. NRC Emergency Telecommunications System	(Please Refer to Attachment 9)
N. Y. State Emergency Management Office James Baranski Division of Military & Naval	518/457-8916 518/786-4500	Entergy Risk Assessment Hugh Castles	Home 985-645-0389 Cell 985-290-2471 Work 504-576-2222

- 1) New York State, Oswego County and Nine Mile Point have been contacted in accordance with Sections 4.3.5.A and 4.3.5.B of this procedure. ☐ RECS ☐ Other \_\_\_\_\_

- 2) NRC has been contacted in accordance with Section 4.3.5.F and 4.3.5.G of this procedure. ☐ ENS ☐ Other \_\_\_\_\_

- 3) Security call-outs of plant staff have been completed using procedure EAP-17, EMERGENCY ORGANIZATION STAFFING, if call-outs are required. ☐ Completed ☐ Not Required

**NOTE:** A current revision of EAP-17, Emergency Plan On-Call Employee Call-out is posted at the Security SAS desk. During off-hours, contact Security to verify that the notifications have been made.

- 4) WPO Corporate Support Center Coordinator ☐ Completed  
**To activate pager:**
  - From any phone dial 1-914-445-0011
  - After you hear the quick tones enter the telephone number you want the Corporate Support Center Coordinator to call you back on, including the area code (315-XXX-XXXX) followed by (#).
  - Hang up.

- 5) Notify Marcy Energy Control Center (ECC). ☐ Completed  
dial (315)797-8271 OR  
(315) 792-8225.

- 6) \_\_\_\_\_/  
(Name of Person Contacted)/(Notification Time)  
INPO (Institute of Nuclear Power Operations) Emergency Response  
Duty Officer  
800/321-0614  
**NOTE: DO NOT NOTIFY FOR AN UNUSUAL EVENT.**

- 7) \_\_\_\_\_/  
(Name of Person Contacted)/(Notification Time)  
Department of Energy Radiological Assistance Program  
516/282-2200  
**NOTE: DO NOT NOTIFY UNLESS DIRECTED TO DO SO BY THE EMERGENCY PLANT MANAGER**

Message: Give details as presented on initial and follow-up notification forms. Request assistance if needed and directed by Emergency Plant Manager.



8)

Oswego County Sheriff  
315/343-5490  
or radio

-----/-----  
(Name of Person Contacted)/(Notification Time)

NOTE: DO NOT NOTIFY UNLESS DIRECTED TO DO SO BY THE E.D.

Message: This is the JAFNPP. We are in a \_\_\_\_\_ (state class of emergency). Please assign deputies to block off the site at the east and west boundaries on Lake Road to keep all unauthorized personnel out.

9)

General Electric

-----/-----  
(Name of Person Contacted)/(Notification Time)  
NOTE: DO NOT NOTIFY UNLESS DIRECTED  
TO DO SO BY THE E.D.

Richard Rossi- Account Manager  
(630) 573-3930 (work)  
(630) 585-5945 (home)  
(888) 378-8190 (beeper)

Message: This is the JAFNPP. We are  
in a \_\_\_\_\_ (state class of  
emergency). This is \_\_\_\_\_  
(name), at phone number 315/\_\_\_\_\_,  
Extension \_\_\_\_\_ (one being used).  
Give a summary of the situation and  
request assistance, if necessary.

BWR Emergency Support Program  
408/971-1038

10)

American Nuclear Insurers  
860/561-3433

-----/-----  
(Name of Person Contacted)/(Notification Time)

NOTE: DO NOT NOTIFY UNLESS DIRECTED TO DO SO BY THE E.D.

Message: This is the JAFNPP. We are in a \_\_\_\_\_ (state class of emergency). This  
is \_\_\_\_\_ (name), at phone number 315/\_\_\_\_\_, Extension \_\_\_\_\_  
(one being used). Give a summary of the situation and request assistance, if necessary.

11)

Radiation Management Consultants  
215/824-1300  
215/243-2990

-----/-----  
(Name of Person Contacted)/(Notification Time)

NOTE: DO NOT NOTIFY UNLESS DIRECTED TO DO SO BY THE E.D.

Message: This is the JAFNPP. We are in a \_\_\_\_\_ (state class of  
emergency). This is \_\_\_\_\_ (name), at phone number 315/\_\_\_\_\_,  
Extension \_\_\_\_\_ (one being used). Give a summary of the situation and  
request assistance, if necessary

12)

Entergy Risk Management

Hugh Castles 985/290-2471 cell  
985/945-0389 home  
504/576-2222 work

-----/-----  
(Name of Person Contacted)/(Notification Time)

Jim Schexnayder 337/278-9126 cell  
337/643-8750 home  
504/576-2178 work

Message: This is the JAFNPP. We are in a \_\_\_\_\_ (state class of emergency). This is \_\_\_\_\_ (name), at phone number 315/\_\_\_\_\_, Extension \_\_\_\_\_ (one being used). Give a summary of the situation and request assistance, if necessary.

1.0 The NRC Emergency Telecommunications System (ETS) is part of the Federal Telecommunications System (FTS)

1.1 The ETS at the JAFNPP site consists of the following circuits:

*JAF SITE / Scriba (Verizon)*

NRC Circuit Designation	Local ETS No.	Old AT&T No.	Old Verizon No.	New MCI No.	New Verizon No.	Location
Emergency Notification System (ENS)	700-371-5321	KBLJ957178	36LHGS154309 NY	VABD9YJN0001	36.LHGS.59242 3..NY	TSC NRC Communicator/CR/SAS
Health Physics Network (HPN)	700-371-6773	KBLJ955405	36LHGS153554 NY	VABD99DG0001	36.LHGS.59241 3..NY	TSC RSC Desk
Reactor Safety Counterpart Link (RSCL)	700-371-5319	KBLJ957177	36LHGS154308 NY	VABD9Y280001	36.LHGS.59242 2..NY	TSC NRC Office
Protective Measures Counterpart Link (PMCL)	700-371-5322	KBLJ957175	36LHGS154306 NY	VABD9CT80001	36.LHGS.59242 5..NY	TSC NRC Office
Emergency Response Data System (ERDS)	700-371-6270	KBLJ955423	36LHGS153574 NY	VABD98VC0001	36.LHGS.59241 4..NY	TSC MDAS Room

1.2 The ETS at the EOF consists of the following circuits:

*EOF / Volney (Alltel)*

NRC Circuit Designation	Local ETS No.	Old AT&T No.	Old Alltel No.	New MCI No.	New Alltel No.	Location
Emergency Notification System (ENS)	700-371-0064	KBLJ957676	36LHGS154379 NY	VABFL39C0001	36LHGS592544 NY	Fed & Comm Rms
Health Physics Network (HPN)	700-371-6299	KBLJ955406	36LHGS153702 NY	VABFL4CX0001	36LHGS592552 NY	Fed & Dose Assmt Rms
Reactor Safety Counterpart Link (RSCL)	700-371-0063	KBLJ957678	36LHGS154383 NY	VABFL3960001	36LHGS592543 NY	Federal Room & Main Floor
Protective Measures Counterpart Link (PMCL)	700-371-0062	KBLJ957675	36LHGS154381 NY	VABFL3790001	36LHGS592545 NY	Federal Room & Main Floor
Management Counterpart Link (MCL)	700-371-0060	KBLJ957673	36LHGS154382 NY	VABFL4F00001	36LHGS592548 NY	Federal Room & Main Floor
Local Area Network Access (LAN)	700-371-0061	KBLJ957674	36LHGS154380 NY	VABFL3610001	36LHGS592538 NY	Federal Room & Main Floor
Spare	700-371-0065	N/A	N/A	VABFL4D30001	36LHGS592546 NY	Communications Room

2.0 Instructions for Operating ETS Phones

- 2.1 Lift the receiver on the telephone instrument and listen for dial tone.
- 2.2 After receiving dial tone, dial first number listed on the colored sticker located on the telephone instrument using all ten (11) digits. (Telephone numbers to NRC Operations Center are also located in procedure EAP-1.1 on Attachment 5, Item 4.) If the first number is busy, proceed on with the second, etc.
- 2.3 A conference call connecting JAF and EOF ENS phones may be initiated by calling the NRC Operations Center as above.

3.0 Instructions for Reporting ETS Problems

- 3.1 Initiate repairs by reporting problems to the NRC Operations Center at one of the following numbers:

3.1.1 Using ETS Network or commercial line

1-301-816-5100  
1-301-951-0550

## 4.0 Essential Emergency Communication Functions

- 4.1 Emergency Notification System (ENS) - Initial notification by the licensee, as well as ongoing information on plant systems, status and parameters.
- 4.2 Health Physics Network (HPN) - Communication with the licensee on radiological conditions (in-plant and offsite) and meteorological conditions as well as their assessment of trends and need for protective measures onsite and offsite.
- 4.3 Reactor Safety Counterpart Link (RSCL) - Established initially with the base team and then with the NRC site team, representatives once they arrive at the site, to conduct internal NRC discussions on plant and equipment conditions separate from the licensee, and without interfering with the exchange of information between the licensee and NRC. This is the channel by which the NRC Operations Center supports NRC reactor safety personnel at the site. In addition, this link may also be used for discussion between the Reactor Safety Team Director and licensee plant management at the site.
- 4.4 Protective Measures Counterpart Link (PMCL) - Established initially with the base team, and then with the NRC site team representatives once they arrive at the site, to conduct internal NRC discussions on radiological releases and meteorological conditions, and the need for protective actions separate from the licensee and without interfering with the exchange of information between the licensee and NRC. This is the channel by which the NRC Operations Center support NRC protective measures personnel at the site. In addition, this link may also be used for discussion between the Protective Measures Team Director and licensee plant management at the site.
- 4.5 Emergency Response Data System (ERDS) Channel - This is the channel over which the raw reactor parametric data is transmitted from the site.
- 4.6 Management Counterpart Link (MCL) - Established for any internal discussions between the Executive Team Director or Executive Team members and the NRC Director of Site Operations or top level licensee management at the site.
- 4.7 Local Area Network (LAN) Access - Established with the base team and the NRC site team for access to any of the product or services provided on the NRC Operations Center's local area network. This includes technical projections, press releases, status reports, E-Mail, and various computerized analytical tools.

OPERATION OF RADIO FOR BACKUP COMMUNICATIONS AND  
BACKUP PHONE INFORMATION

Page 1 of 1

Instructions for Contacting Oswego County Using Radio

1. Turn radio on (adjust volume control).
2. Select Channel 1.
3. Select "P/L B" or "Sheriff" or "911" (light should be next to "P/L B" or "Sheriff" or "911" - push button if necessary)
4. Push transmit on microphone or inside handset to transmit and release to receive.

Backup Phone Information

Handset Location	Telephone Equipment Location	Phone Number
TSC cellular near RECS phone operator	TSC outer office #1	315-591-0473
TSC satellite * near EPM Desk	TSC outer office #3	800-988-7278
TSC cellular at EPM's desk	TSC outer office #4	315-591-0479
TSC cellular near Radio Dispatcher	TSC outer office #2	315-591-0476
CR cellular Shift Manager's office	TSC outer office #3	315-591-0482
OSC cellular OSC Manager's desk	TSC outer office #2	315-593-4757

- \* When making calls to 315 area code (including Oswego) dial 1-315 prior to entering 7 digit number.

Call Verizon at (315) 890-8806 and give the following information.

. Location of RECS phone

Applicable circuit numbers:

Syracuse/Oswego phones 36LCGS606351

Albany phones 34LCGS606365

Syracuse to Albany circuit DWEC041851

. Trouble description

. Your name and telephone contact number

1. Is there any change to the classification of the event? If so, what is the reason?
2. What is the ongoing/imminent damage to the facility, including affected equipment and safety features?
3. Have toxic or radiological releases occurred or been projected, including changes in the release rate? If so, what is the projected onsite and offsite release, and what is the basis of assessment?
4. What are the health effect/consequences to onsite/offsite people? How many onsite/offsite people are/will be affected and to what extent?
5. Is the event under control? When was control established, or what is the planned action to bring the event under control? What is the mitigative action underway or planned?
6. What on site protective measures have been taken or planned?
7. What offsite protective actions have been recommended to State/local officials?
8. What is the status of State/local/other Federal agencies' responses, if known?
9. If applicable, what is the status of public information activities, such as alarm, broadcast, or press releases (regulate/State/local/other Federal agencies)? Has a Joint Information Center been activated?



## PART I GENERAL INFORMATION (PARTIALLY COMPLETED)

## New York State PART I Form NOTIFICATION FACT SHEET

Sequence No. \_\_\_\_\_ From: \_\_\_\_\_ E D Approval: \_\_\_\_\_

"This is to report an incident at the James A. FitzPatrick Power Plant. Standby for confirmation." (Conduct roll call to include the following stations:) ☐ New York State Warning Point ☐ Oswego County Warning Point ☐ Nine Mile Point Unit #1 ☐ Nine Mile Point Unit #2

Upon completion of roll call provide information as outlined below:

GENERAL INFORMATION (Note: ☐ When Checked Indicates change in status)

1.	Message transmitted on: (Date) _____ at (Time) _____	<input type="checkbox"/> AM <input type="checkbox"/> PM	Via: A. RECS B. Other	
				<input type="checkbox"/> NY State : 518-457-2200 <input type="checkbox"/> Oswego Co.: 591-9150 or 911 <input type="checkbox"/> NMP # 1: 349-2841 or 349-2842 or Control Room Hotline <input type="checkbox"/> NMP # 2: 349-2168 or 349-2169 or Control Room Hotline
2.	This Is <span style="border: 1px solid black; padding: 2px;">A. NOT An Exercise</span> B. An Exercise			
3.	Facility Providing Information: D. NMP #1 E. NMP #2 <span style="border: 1px solid black; padding: 2px;">F. FitzPatrick</span>			
4.	Classification: A. Unusual Event <span style="border: 1px solid black; padding: 2px;">B. Alert</span> C. Site Area Emergency D. General Emergency E. Emergency Terminated F. Recovery			
5.	This Emergency Classification Declared on: (Date) _____ at (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM			
6.	Release of Radioactive Materials Due to The Classified Event			
	<div style="display: flex; justify-content: space-between;"> <div style="width: 24%;"> <span style="border: 1px solid black; padding: 2px;">A. NO Release</span> </div> <div style="width: 24%;">           B. Release BELOW federally approved operating limits (Technical Specification)  <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water         </div> <div style="width: 24%;">           C. Release ABOVE federally approved operating limits (Technical Specification)  <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water         </div> <div style="width: 24%;">           D. Unmonitored release requiring evaluation         </div> </div>			
7.	The following Protective Actions are recommended to be implemented as soon as practical:			
	<span style="border: 1px solid black; padding: 2px;">A. NO Need for Protective Actions Outside The Site Boundary</span> B. EVACUATE and implement the KI plan for the following ERPAs and shelter all remaining ERPAs 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29			
8.	EAL Number <u>7.2.2</u> Brief Event			
	Description: <u>Control Room evacuation per AOP-43, "Shutdown from Outside the Control Room", Emergency Plant Manager is establishing control of reactor from remote shutdown panels</u>			
9.	Plant Status: A. Stable B. Improving <span style="border: 1px solid black; padding: 2px;">C. Degrading</span> D. Hot Shutdown E. Cold Shutdown			
10.	Reactor Shutdown: <span style="border: 1px solid black; padding: 2px;">A. Not Applicable</span> B. (Date) _____ at: (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM			
11.	Wind Speed Elevated: _____ Miles/Hour Wind Speed Ground _____ Miles/Hour.			
12.	Wind Direction Elevated (From): _____ degrees Wind Direction Ground (From) _____ degrees.			
13.	Stability Class (Pasquill): Elevated A B C D E F G Ground A B C D E F G			
14.	Reported By: Name _____ Phone Number (315)-_____			

\*(Name of Agency), Do you have any questions?"

☐ New York State Warning Point ☐ Oswego County Warning Point ☐ Nine Mile Point Unit #1 ☐ Nine Mile Point Unit #2  
 "James A. FitzPatrick Nuclear Power Plant out at (date, time)"

## PART 1 GENERAL INFORMATION (PARTIALLY COMPLETED)

## New York State PART I Form NOTIFICATION FACT SHEET

Sequence No. \_\_\_\_\_ From: \_\_\_\_\_ E D Approval: \_\_\_\_\_

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Upon completion of roll call provide information as outlined below:

GENERAL INFORMATION (Note: ☐ When Checked Indicates change in status)

1.	Message transmitted on: (Date) _____ at (Time) _____	<input type="checkbox"/> AM <input type="checkbox"/> PM	Via: A. RECS B. Other	
				<input type="checkbox"/> NY State : 518-457-2200 <input type="checkbox"/> Oswego Co.: 591-9150 or 911 <input type="checkbox"/> NMP # 1: 349-2841 or 349-2842 or Control Room Hotline <input type="checkbox"/> NMP # 2: 349-2168 or 349-2169 or Control Room Hotline
2.	This Is <span style="border: 1px solid black; padding: 2px;">A. NOT An Exercise</span> B. An Exercise			
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4.	Classification: A. Unusual Event <span style="border: 1px solid black; padding: 2px;">B. Alert</span> C. Site Area Emergency D. General Emergency E. Emergency Terminated F. Recovery			
5.	This Emergency Classification Declared on: (Date) _____ at (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM			
6.	Release of Radioactive Materials Due to The Classified Event			
	<div style="display: flex; justify-content: space-between;"> <div style="width: 24%;"> <span style="border: 1px solid black; padding: 2px;">A. NO Release</span> </div> <div style="width: 24%;">           B. Release BELOW federally approved operating limits (Technical Specification)  <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water         </div> <div style="width: 24%;">           C. Release ABOVE federally approved operating limits (Technical Specification)  <input type="checkbox"/> To Atmosphere <input type="checkbox"/> To Water         </div> <div style="width: 24%;">           D. Unmonitored release requiring evaluation         </div> </div>			
7.	The following Protective Actions are recommended to be implemented as soon as practical:			
	<span style="border: 1px solid black; padding: 2px;">A. NO Need for Protective Actions Outside The Site Boundary</span> B. EVACUATE and implement the KI plan for the following ERPAs and shelter all remaining ERPAs 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29			
8.	EAL Number <u>8.2.2</u> Brief Event			
	Description: <u>There is a fire which has resulted in damage to plant equipment needed for safe plant operation – the on site fire brigade is fighting the fire.</u>			
9.	Plant Status: A. Stable B. Improving <span style="border: 1px solid black; padding: 2px;">C. Degrading</span> D. Hot Shutdown E. Cold Shutdown			
10.	Reactor Shutdown: <span style="border: 1px solid black; padding: 2px;">A. Not Applicable</span> B. (Date) _____ at: (Time) _____ <input type="checkbox"/> AM <input type="checkbox"/> PM			
11.	Wind Speed Elevated: _____ Miles/Hour Wind Speed Ground _____ Miles/Hour.			
12.	Wind Direction Elevated (From): _____ degrees Wind Direction Ground (From) _____ degrees.			
13.	Stability Class (Pasquill): Elevated A B C D E F G Ground A B C D E F G			
14.	Reported By: Name _____ Phone Number (315)- _____			

\*(Name of Agency), Do you have any questions?

☐ New York State Warning Point ☐ Oswego County Warning Point ☐ Nine Mile Point Unit #1 ☐ Nine Mile Point Unit #2  
 "James A. FitzPatrick Nuclear Power Plant out at (date, time)"

**AOP-43 OFFSITE NOTIFICATION FORMS (PARTIALLY COMPLETED)**  
**NRC NOTIFICATION WORKSHEET (PARTIALLY COMPLETED)**

Page 3 of 4

PAGE 1 OF 2

NRC FORM 361 (12-2000)		<b>REACTOR PLANT EVENT NOTIFICATION WORKSHEET</b>				U.S. NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER																																																	
						EN # _____ (Get this from NRC)																																																	
NRC OPERATION TELEPHONE NUMBER: PRIMARY – 301-816-5100 or 800-532-3469*, BACKUPS – [1st] 301-951-0550 or 800-449-3694*, [2nd] 301-415-0550 and [3rd] 301-415-0553 <small>*Licensees who maintain their own ETS are provided these telephone numbers.</small>																																																							
NOTIFICATION TIME 12/20/2004	FACILITY OR ORGANIZATION <b>James A. FitzPatrick</b>	UNIT <b>1</b>	NAME OF CALLER [REDACTED]	CALL BACK # [REDACTED]																																																			
EVENT TIME & ZONE 12/20/2004 Eastern	EVENT DATE 12/20/2004	POWER/MODE BEFORE <b>[SM]</b>		POWER/MODE AFTER <b>[SM]</b>																																																			
<b>EVENT CLASSIFICATIONS</b>		<b>1-Hr. Non-Emergency 10 CFR 50.72(b)(1)</b>		<b>(v)(A) Safe S/D Capability AINA</b>																																																			
<input type="checkbox"/> GENERAL EMERGENCY GEN/AAEC		TS Deviation ADEV		<b>(v)(B) RHR Capability AINB</b>																																																			
<input type="checkbox"/> SITE AREA EMERGENCY SIT/AAEC		<b>4-Hr. Non-Emergency 10 CFR 50.72(b)(2)</b>		<b>(v)(C) Control of Rad Release AINC</b>																																																			
<input checked="" type="checkbox"/> <b>ALERT</b> ALE/AAEC		<b>(i) TS Required S/D ASHU</b>		<b>(v)(D) Accident Mitigation AIND</b>																																																			
<input type="checkbox"/> UNUSUAL EVENT UNU/AAEC		<b>(iv)(A) ECCS Discharge to RCS ACCS</b>		<b>(xii) Offsite Medical AMED</b>																																																			
<input type="checkbox"/> 50.72 NON-EMERGENCY (see next columns)		<b>(iv)(B) RPS Actuation (scram) ARPS</b>		<b>(xiii) Loss Comm/Asmt/Resp ACCM</b>																																																			
<input type="checkbox"/> PHYSICAL SECURITY (73.71) DDDD		<b>(xi) Offsite Notification APRE</b>		<b>60-Day Optional 10 CFR 50.73(a)(1)</b>																																																			
<input type="checkbox"/> MATERIAL EXPOSURE B???		<b>8-Hr. Non-Emergency 10 CFR 50.72(b)(3)</b>		<b>Invalid Specified System Actuation AINV</b>																																																			
<input type="checkbox"/> FITNESS FOR DUTY HFTT		<b>(ii)(A) Degraded Condition ADEG</b>		<b>Other Unspecified Requirement (Identify)</b>																																																			
<input type="checkbox"/> OTHER UNSPECIFIED REQMT. (see last column)		<b>(ii)(B) Unanalyzed Condition AUNA</b>																																																					
<input type="checkbox"/> INFORMATION ONLY NINF		<b>(iv)(A) Specified System Actuation AESF</b>																																																					
<b>DESCRIPTION</b>																																																							
<p>Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc. (Continue on back)</p> <p>The control room is being evacuated. The reactor is being shut down from outside the control room per AOP-43.</p> <p>ALERT declared per EAL-7.2.2</p>																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">NOTIFICATIONS</td> <td style="width:5%;">YES</td> <td style="width:5%;">NO</td> <td style="width:5%;">WILL BE</td> <td style="width:20%;">ANYTHING UNUSUAL OR NOT UNDERSTOOD?</td> <td style="width:20%;"> <input type="checkbox"/> YES (Explain above)                 <input type="checkbox"/> NO             </td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td>NRC RESIDENT</td> <td></td> <td></td> <td align="center"><b>X</b></td> <td></td> <td></td> <td></td> <td align="right"><b>[SM]</b></td> </tr> <tr> <td>STATE(s)</td> <td align="center"><b>X</b></td> <td></td> <td></td> <td>DID ALL SYSTEMS FUNCTION AS REQUIRED?</td> <td> <input type="checkbox"/> YES                 <input type="checkbox"/> NO (Explain above)             </td> <td></td> <td align="right"><b>[SM]</b></td> </tr> <tr> <td>LOCAL</td> <td align="center"><b>X</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>OTHER GOV AGENCIES</td> <td></td> <td align="center"><b>X</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MEDIA/PRESS RELEASE</td> <td></td> <td></td> <td align="center"><b>X</b></td> <td>MODE OF OPERATION UNTIL CORRECTED <b>4</b></td> <td>ESTIMATED RESTART DATE <b>N/A</b></td> <td colspan="2">ADDITIONAL INFO ON BACK  <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO             </td> </tr> </table>								NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	<input type="checkbox"/> YES (Explain above) <input type="checkbox"/> NO			NRC RESIDENT			<b>X</b>				<b>[SM]</b>	STATE(s)	<b>X</b>			DID ALL SYSTEMS FUNCTION AS REQUIRED?	<input type="checkbox"/> YES <input type="checkbox"/> NO (Explain above)		<b>[SM]</b>	LOCAL	<b>X</b>							OTHER GOV AGENCIES		<b>X</b>						MEDIA/PRESS RELEASE			<b>X</b>	MODE OF OPERATION UNTIL CORRECTED <b>4</b>	ESTIMATED RESTART DATE <b>N/A</b>	ADDITIONAL INFO ON BACK <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	<input type="checkbox"/> YES (Explain above) <input type="checkbox"/> NO																																																		
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OTHER GOV AGENCIES		<b>X</b>																																																					
MEDIA/PRESS RELEASE			<b>X</b>	MODE OF OPERATION UNTIL CORRECTED <b>4</b>	ESTIMATED RESTART DATE <b>N/A</b>	ADDITIONAL INFO ON BACK <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																																																	

NRC FORM 361 (12-2000)

PRINTED ON RECYCLED PAPER

EAP-1.1  
Rev. No. 52

OFFSITE NOTIFICATIONS

ATTACHMENT 13  
Page 48 of 51

**AOP-28 OFFSITE NOTIFICATION FORMS (PARTIALLY COMPLETED)**  
**NRC NOTIFICATION WORKSHEET (PARTIALLY COMPLETED)**

Page 4 of 4

PAGE 1 OF 2

NRC FORM 361 (12-2000)	<b>REACTOR PLANT EVENT NOTIFICATION WORKSHEET</b>	U.S. NUCLEAR REGULATORY COMMISSION OPERATIONS CENTER
		EN # <span style="border: 1px solid black; padding: 2px;"> </span> (Get this from NRC)

NRC OPERATION TELEPHONE NUMBER: PRIMARY – 301-816-5100 or 800-532-3469\*, BACKUPS – [1st] 301-951-0550 or 800-449-3694\*, [2nd] 301-415-0550 and [3rd] 301-415-0553  
 \*Licensees who maintain their own ETS are provided these telephone numbers.

NOTIFICATION TIME <span style="border: 1px solid black; padding: 2px;"> </span>	FACILITY OR ORGANIZATION <b>James A. FitzPatrick</b>	UNIT <b>1</b>	NAME OF CALLER <span style="border: 1px solid black; padding: 2px;"> </span>	CALL BACK # <span style="border: 1px solid black; padding: 2px;"> </span>
--	---	------------------	---	--

EVENT TIME & ZONE <span style="border: 1px solid black; padding: 2px;"> </span> Eastern	EVENT DATE <span style="border: 1px solid black; padding: 2px;"> </span>	POWER/MODE BEFORE <b>[SM]</b>	POWER/MODE AFTER <b>[SM]</b>
--	---	----------------------------------	---------------------------------

EVENT CLASSIFICATIONS		1-Hr. Non-Emergency 10 CFR 50.72(b)(1)	(v)(A) Safe S/D Capability	AINA
GENERAL EMERGENCY	GEN/AAEC	TS Deviation	ADEV	AINB
SITE AREA EMERGENCY	SIT/AAEC	4-Hr. Non-Emergency 10 CFR 50.72(b)(2)	(v)(C) Control of Rad Release	AINC
<input checked="" type="checkbox"/> ALERT	ALE/AAEC	(i) TS Required S/D	ASHU	AIND
UNUSUAL EVENT	UNU/AAEC	(iv)(A) ECCS Discharge to RCS	ACCS	AMED
50.72 NON-EMERGENCY (see next columns)		(iv)(B) RPS Actuation (scram)	ARPS	ACOM
PHYSICAL SECURITY (73.71)	DDDD	(x) Offsite Notification	APRE	
MATERIAL/EXPOSURE	B???	8-Hr. Non-Emergency 10 CFR 50.72(b)(3)		
FITNESS FOR DUTY	HFIT	(ii)(A) Degraded Condition	ADEG	
OTHER UNSPECIFIED REQMT. (see last column)		(ii)(B) Unanalyzed Condition	ALNA	
INFORMATION ONLY	NNF	(iv)(A) Specified System Actuation	AESF	
				NONR

**DESCRIPTION**

Include: Systems affected, actuations and their initiating signals, causes, effect of event on plant, actions taken or planned, etc. (Continue on back)

There is a fire which has resulted in damage to plant equipment needed for safe plant operation – the on site fire brigade is fighting the fire.

An Alert has been declared in accordance with EAL-8.2.2

NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD?	<input type="checkbox"/> YES (Explain above) <input type="checkbox"/> NO	
NRC RESIDENT			<input checked="" type="checkbox"/>			<b>[SM]</b>
STATE(s)	<input checked="" type="checkbox"/>			DID ALL SYSTEMS FUNCTION AS REQUIRED?	<input type="checkbox"/> YES <input type="checkbox"/> NO (Explain above)	<b>[SM]</b>
LOCAL	<input checked="" type="checkbox"/>					
OTHER GOV AGENCIES		<input checked="" type="checkbox"/>		MODE OF OPERATION UNTIL CORRECTED	<b>4</b>	
MEDIA/PRESS RELEASE			<input checked="" type="checkbox"/>	ESTIMATED RESTART DATE	<b>N/A</b>	ADDITIONAL INFO ON BACK <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

NRC FORM 361 (12-2000)

PRINTED ON RECYCLED PAPER

EAP-1.1  
Rev. No. 52

OFFSITE NOTIFICATIONS

ATTACHMENT 13  
Page 49 of 51

ENTERGY NUCLEAR OPERATIONS, INC.  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

PERSONNEL ACCOUNTABILITY  
EAP-8  
REVISION 64

APPROVED BY:   
RESPONSIBLE PROCEDURE OWNER

DATE: 2/12/04

EFFECTIVE DATE: February 18, 2004

FIRST ISSUE ☐

FULL REVISION ☐

LIMITED REVISION ☒

***** * * INFORMATIONAL USE * ***** ***** * * ADMINISTRATIVE * *****	***** * * QUALITY RELATED * ***** ***** * * * * *****	CONTROLLED COPY # <u>34</u>
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PERIODIC REVIEW DUE DATE: June 2007

## REVISION SUMMARY SHEET

## REV. NO.

- 64 • Quarterly update of the Emergency Response Organization.
- 63 • Added column on attachment 1 for KI distribution.
- Quarterly update of the Emergency Response Organization to reflect the changed from the Voluntary Severance Package.
- 62 • Quarterly update of the Emergency Response Organization.
- In section 4.7.5 deleted the words "Security personnel and/or" due to NRC security order that has directed security to cease all collateral duties.
- 61 • Quarterly update of the Emergency Response Organization.
- Added Emergency Director to Emergency Plant Manager to attachment 3.
- 60 • Quarterly update of the Emergency Response Organization.
- 59 • Quarterly update of the Emergency Response Organization.
- 58 • Quarterly update of the Emergency Response Organization.
- 57 • Changed Security Coordinator/Sergeant to Security Shift Supervisor through out the entire procedure.
- Updated the TSC Security Coordinator's extension from 6160 to 6121 in section 4.7.2 and attachment 1.
- 56 • Quarterly update of the Emergency Response Organization.
- Changed Security Shift Coordinator/Sergeant to Security Coordinator/Sergeant through out the procedure.

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## 1.0 PURPOSE

This procedure provides the instructions necessary to account for plant personnel, visitors, and contractors.

## 2.0 REFERENCES

### 2.1 Performance References

None

### 2.2 Developmental References

2.2.1 EAP-9, SEARCH AND RESCUE OPERATIONS

2.2.2 EAP-10, PROTECTED AREA EVACUATION

2.2.3 EAP-11, SITE EVACUATION

## 3.0 INITIATING EVENTS

3.1.1 Site Area Emergency, or

3.1.2 General Emergency, or

3.1.3 Emergency Plant Manager's request, or

3.1.4 Completion of Protected Area Evacuation or Site Evacuation for personnel without emergency assignments.

## 4.0 PROCEDURE

4.1 A list of missing personnel shall be made available within 30 minutes via personnel accountability or other means as determined by the individual assigned to lead accountability. Personnel accountability shall be accomplished in two phases:

Phase 1 - The total number of personnel accounted for in the protected area are compared with the total number of persons indicated as being in the protected area.

Phase 2 - The names of missing persons unaccounted for in the protected area are compared to the names of persons indicated as being in the protected area.



- 4.2 The Emergency Plant Manager shall request the Security Shift Supervisor to initiate accountability.
- 4.3 The Security Shift Supervisor will enable the accountability readers in accordance with Security procedures and request (when those facilities are activated) the Communications and Records Coordinator to dispatch an accountability clerk to the Control Room, TSC and OSC to assist personnel in completing Attachment 3 and badging in the readers.
- 4.4 The Emergency Plant Manager shall request the Control Room to make the following announcement (twice):

ATTENTION. ATTENTION. ALL PERSONNEL IN THE PROTECTED AREA COMMENCE ACCOUNTABILITY USING BADGE READERS AND SIGN-IN SHEETS.

- 4.5 The Security Shift Supervisor, who may designate security personnel to lead the accountability process if required, shall use Attachment 1 or Attachment 2 to accomplish personnel accountability.
- 4.6 The individual assigned to lead accountability shall compile a list of persons on site by name and badge number using either the Security Activity Management System (SAMS) computer or Security Access Computer which is a badge number only list of personnel on site.

NOTE: The (SAMS) computer shall be the primary means of compiling the on site list by name and badge number. The security access computer shall be used as a secondary means and is a "badge number only" list of personnel on site.

The onsite personnel list should also include visitors to the site and shall note their escort names.

Accountability for security personnel may be accomplished by contacting them individually.

4.7 Phase 1 of accountability shall be accomplished in the following manner:

NOTE: Manual method will be used if a computer failure occurs.

- 4.7.1 The individual assigned to lead accountability shall activate the "Personnel Onsite Report" which will indicate who is onsite.

As personnel badge in the accountability readers, they will be deleted from the "Unaccounted Personnel Report." This report will reflect continually who has not badged in an accountability reader.

- 4.7.2 Accountability clerks shall be established in the Control Room, Technical Support Center and Operational Support Center and shall contact the Emergency Security Coordinator in the Technical Support Center at extension 6121.

- 4.7.3 These clerks shall provide the following information to the Emergency Security Coordinator:

- A. Total number of persons assembled in that area obtained from Attachment 3.
- B. A copy of Attachment 3. The originals shall continue to be used for continuous accountability.
- C. Fax Attachment 3 forms to EOF Staffing Coordinator (to assist in long-term staffing assessment).

- 4.7.4 The individual assigned to lead accountability shall compare the total number of personnel accounted for on the Attachment 3 forms to the total number onsite from the security computer. These numbers and any discrepancies shall be reported to the Emergency Plant Manager. In addition, the individual assigned to lead accountability shall request the Security Shift Supervisor or designee prepare an "unaccounted for" log from the accountability system reader output.

- 4.7.5 Accountability Clerks shall establish continuous accountability logs using Attachment 3 at the following locations:
- A. 300 ft. elevation of Old Admin. Building near the Control Room entrance. This position shall record personnel who exit or enter via the Fan Room or Turbine building doors.
  - B. OSC control point near portal monitors. This position shall record personnel who exit or enter the RCA.
  - C. Old Admin. Building foyer. This position shall record personnel who exit or enter via the foyer.

- NOTES:
- 1. Personnel traveling between the TSC, OSC and Control Room are NOT required to sign in/out on Continuous Accountability Log Sheet, Attachment 3 after the completion of initial accountability.
  - 2. Entry and exit via doors with operable card readers do NOT require sign in on Attachment 3. In the event of a Security computer failure, entry and exit via carded doors that allow access to areas outside the Emergency Response Facilities (combined TSC, OSC and Control Room areas) shall require sign in on Attachment 3.

- 4.8 Phase 2 of accountability shall be accomplished in the following manner:

- 4.8.1 The individual assigned to lead accountability shall compare the security computer list of onsite persons against those in the Control Room, TSC and OSC and compile a list of unaccounted for individuals. (The manual method will utilize Attachment 3).
- 4.8.2 The individual assigned to lead accountability shall provide to the Emergency Security Coordinator a list of unaccounted badges and names from the readers, which should match the list of unaccounted individuals.

- 4.9 The individual assigned to lead accountability shall verify that persons on the "Unaccounted Personnel Report" lists have not left the protected area by a check of the security computers. The last known location of these persons shall be obtained from the security computer.
- 4.10 The individual assigned to lead accountability shall attempt to locate any persons unaccounted for by calling them on the plant page system. The page should be repeated every two minutes. If the unaccounted for personnel do not respond within 5 minutes, the following announcement shall be made twice over the P.A. system:

ATTENTION, ATTENTION: IF ANYONE KNOWS THE PRESENT LOCATION OF (name of missing individual), CALL SECURITY AT EXTENSION (specify).
---

- 4.11 The individual assigned to lead accountability shall contact the missing individuals' supervisors or co-workers for further information. If these attempts are unsuccessful, the names of the missing persons shall be forwarded to the Emergency Plant Manager who shall immediately initiate search and rescue activities in accordance with EAP-9, SEARCH AND RESCUE OPERATIONS.

## 5.0 ATTACHMENTS

1. ACCOUNTABILITY CHECKLIST - MANUAL METHOD
2. ACCOUNTABILITY CHECKLIST - COMPUTER METHOD
3. ACCOUNTABILITY LOG

# ACCOUNTABILITY CHECKLIST - MANUAL METHOD

Page 1 of 2

Initials/Time

1. \_\_\_\_\_ / \_\_\_\_\_ Received notification from the Emergency Plant Manager to implement personnel accountability procedure.
2. \_\_\_\_\_ / \_\_\_\_\_ Compile list of persons onsite using either the SAMS Computer or the security computer. Total number of persons onsite: \_\_\_\_\_.

## PHASE 1

3. \_\_\_\_\_ / \_\_\_\_\_ Contact each of the primary assembly areas and obtain a head count:

<u>AREA</u>	<u>EXTENSIONS</u>	<u>PERSON CONTACTED</u>	<u>NUMBER OF PERSONS</u>
Control Room	6665	_____	_____
Technical Support Center	6121	_____	_____
Operational Support Center	6833/6837	_____	_____
Security Bldg	6413/6416	_____	_____

Total number of persons accounted for: \_\_\_\_\_

4. \_\_\_\_\_ / \_\_\_\_\_ Difference between total head count and persons onsite as indicated by security (step 3): \_\_\_\_\_.
5. \_\_\_\_\_ / \_\_\_\_\_ Report totals from step 2, 3, and 4 to the Emergency Plant Manager.

ACCOUNTABILITY CHECKLIST - MANUAL METHOD

Page 2 of 2

PHASE 2

Initials/Time

6.     \_\_\_\_\_/\_\_\_\_\_ Contact each assembly area. Using the list of persons onsite, check off each person in the assembly area.
7.     \_\_\_\_\_/\_\_\_\_\_ List the names and badge numbers of persons unaccounted for:
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
8.     \_\_\_\_\_/\_\_\_\_\_ Notify the Emergency Plant Manager of the names of persons unaccounted for.
9.     \_\_\_\_\_/\_\_\_\_\_ Verify that persons unaccounted for have not left the site. Determine last known location using the (SAMS) or the security computer.
10.    \_\_\_\_\_/\_\_\_\_\_ Call persons unaccounted for on the plant paging system (repeat announcement).
11.    \_\_\_\_\_/\_\_\_\_\_ Contact supervisors, co-workers. Attempt to determine last known location of persons unaccounted for.
12.    \_\_\_\_\_/\_\_\_\_\_ Advise Emergency Plant Manager of missing persons and information determined in steps 9, 11.

**RETAIN THIS FORM. IT SHALL BE TURNED IN TO THE EMERGENCY PLANT MANAGER.**

ACCOUNTABILITY CHECKLIST - COMPUTER

Page 1 of 1

Initials/Time

1. \_\_\_\_\_ / \_\_\_\_\_ Received notification from the Emergency Plant Manager to implement personnel accountability procedure.
2. \_\_\_\_\_ / \_\_\_\_\_ Security Central Alarm Station (CAS) or Secondary Alarm Station (SAS) operator to activate accountability card readers by activating the (F6) key on the security computer.

PHASE 1/2

3. \_\_\_\_\_ / \_\_\_\_\_ Individual assigned to lead accountability to activate "Personnel Onsite Report."
4. \_\_\_\_\_ / \_\_\_\_\_ Individual assigned to lead accountability to activate the "Unaccounted Personnel Report."
5. \_\_\_\_\_ / \_\_\_\_\_ Advise the Emergency Security Coordinator in the Technical Support Center of missing person(s) unaccounted for.
6. \_\_\_\_\_ / \_\_\_\_\_ Verify that person(s) unaccounted for have not left the site.
7. \_\_\_\_\_ / \_\_\_\_\_ Call person(s) unaccounted for on the plant paging system.
8. \_\_\_\_\_ / \_\_\_\_\_ Contact supervisors and co-workers to attempt to learn last location of the persons unaccounted for.
9. \_\_\_\_\_ / \_\_\_\_\_ Advise Emergency Plant Manager of missing person(s)

# ACCOUNTABILITY LOG

DATE \_\_\_\_\_

FACILITY \_\_\_\_\_

	NAME	Badge Number	Continuous Accountability Time/DRD Readings						KI Accepted Yes/No/NA
			IN	OUT	IN	OUT	IN	OUT	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									



ENTERGY NUCLEAR OPERATIONS, INC.  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY ORGANIZATION STAFFING  
EAP-17  
REVISION 109

APPROVED BY:   
RESPONSIBLE PROCEDURE OWNER

DATE: 2/12/04

EFFECTIVE DATE: February 18, 2004

FIRST ISSUE ☐

FULL REVISION ☐

LIMITED REVISION ☒

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*	*
* INFORMATIONAL USE *	* QUALITY RELATED *
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* ADMINISTRATIVE *	
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CONTROLLED COPY # 34

PERIODIC REVIEW DUE DATE: June 2007

## REVISION SUMMARY SHEET

## REV. NO.

- 109
  - Quarterly update of the Emergency Response Organization.
  - Updated ENN-EP-101 restructure of the WPO support functions and responsibilities. Removed section C in attachments 2 and 4 because of this - Formally it was required to notify the Support Group Manager.
  - Delete section 5.1.7 that referenced WPO Recovery Support Group Manager.
- 108
  - Quarterly update of the Emergency Response Organization.
- 107
  - Added note in section 6.1.2.C to instruct CAN not to call security guards or plant operators to verify that CAN has worked properly.
  - Changed information on attachment 2 and 4 regarding dialing instructions for new RSGM pagers.
  - Added clarifying information to line number 9 on attachment 2 page 2 of 2.
  - On attachment 4 increased directions and expanded to two pages.
- 106
  - Reordered initiating information on attachment 2. And also added information on use of pre-printed forms in section B.1 & 2.
  - On Attachment 2 C.1 - deleted the word "backup" and replaced it with "or" and also insert the word "dial" before the 1-800 number.
  - The above changes were made to be consistent with IAP-1, Attachment 1 & 2 C.
  - Added note in section 6.1.2.C in regards to CAN activation and page 2 of attachment 2.
- 105
  - Quarterly update of the Emergency Response Organization.
  - Added position of Emergency Plant Manager to attachment 5.
- 104
  - Quarterly update of the Emergency Response Organization.
- 103
  - Quarterly update of the Emergency Response Organization.
- 102
  - Quarterly update of the Emergency Response Organization.
- 101
  - On attachment 2 added information that directs the Shift Manager, per AOP-43 to make plant announcement per EAP-1.1 att. 15.
  - Changed SAS Cell Phone from 593-4767 to 593-9539
- 100
  - Quarterly update of the Emergency Response Organization.
  - Name change for Security Coord/Serg. - Previously was Shift Coord/Sergeant in the JAF area.
  - Removed reference to GMO as position was replaced by GMPO.
  - In section 5.1.3 added verbiage to clarify the on-duty day of the week start.

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## 1.0 PURPOSE

The purpose of this procedure is to designate the emergency organization for specific emergency classification and to describe the activation of the designated principal emergency response personnel.

**NOTE:** THIS PROCEDURE IS INTENDED ONLY FOR EMERGENCY PLAN ACTIVATION AND MAY BE ALTERED BY THE EMERGENCY PREPAREDNESS MANAGER FOR PURPOSES OF EMERGENCY PLAN DRILLS OR EXERCISES.

## 2.0 REFERENCES

### 2.1 Performance References

2.1.1 EAP-43, EMERGENCY FACILITIES LONG TERM STAFFING

2.1.2 SAP-20, EMERGENCY PLAN ASSIGNMENTS

### 2.2 Developmental References

2.2.1 James A. FitzPatrick Nuclear Power Plant Emergency Plan, SECTION 5, ORGANIZATION

2.2.2 IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS

2.2.3 EAP-22, OPERATION AND USE OF RADIO PAGING DEVICE

2.2.4 SAP-20, EMERGENCY PLAN ASSIGNMENTS

## 3.0 INITIATING EVENTS

An emergency has been declared in accordance with IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS

3.1 A call-out test is being conducted as directed by the Emergency Preparedness Manager or designee.

## 4.0 RESPONSIBILITIES

4.1 Vice President - Operations (VPO), General Manager - Plant Operations (GMPO), Director - Safety Assurance (DSA).

- 4.1.1 Either the VPO, GMPO, or the DSA will be in the general area (within approximately 60 minutes travel time to the plant) unless, and as approved by the VPO, special circumstances dictate that they will be absent. Their location is known via the weekly staff schedule, or other means.
- 4.1.2 The VPO, GMPO, and the DSA shall make their schedules available to the Operations Manager via the weekly staff schedule, or other means as appropriate.

#### 4.2 Shift Manager

- 4.2.1 During an emergency, the Emergency Director is responsible for the direction of all emergency actions at the James A. FitzPatrick Nuclear Power Plant. During normal hours, sufficient supervisory and support personnel are available to respond to an emergency condition; during off-hours, this support is diminished as shown in Attachment 1. When the Shift Manager/Emergency Director determines that additional personnel are necessary to respond to an onsite emergency, he will direct Security to initiate a recall of personnel in accordance with this procedure and EAP-1.1, section 4.2.1. Pagers should be activated for both normal working hours and off hour emergencies. It will be the responsibility of the Security Force to make the necessary telephone calls to initiate this site recall. Other personnel may be directed to perform this function if a Security event prevents Security from making the recall.

#### 4.3 Human Resources Manager

- 4.3.1 The JAFNPP Human Resources Manager is responsible to maintain an up-to-date list of all plant employees, their titles, and home phone numbers. Each calendar year quarter, the Human Resources Manager shall provide this listing to the Emergency Preparedness Manager

- 4.3.2 The JAFNPP Human Resources Manager is responsible to ensure Oswego County I.D. cards for terminated or transferred employees are returned to the EMERGENCY PREPAREDNESS MANAGER after the personnel action.

#### 4.4 Emergency Preparedness Manager

- 4.4.1 The Emergency Preparedness Manager shall quarterly update Attachment 5.
- 4.4.2 The Emergency Preparedness Manager shall issue an Emergency Plan Employee Call-Out Form (Attachment 2). This form will be filed at the SAS console.
- 4.4.3 The Emergency Preparedness Manager, or designee, shall, at least quarterly, update and distribute the Emergency Plan On-call Employee Call-out Schedule.

#### 4.5 Security

It is the responsibility of the Secondary Alarm Station (SAS) security officer to conduct the notifications to Emergency Plan On-Call Employees if so directed by the Shift Manager or Emergency Director. The security officer shall use the appropriate pager codes for emergency call-out for Attachment 2 (located at the SAS console). Any information needed regarding plant status shall be obtained from the Shift Manager. The call-out system Community Alert Network, "CAN", shall also be used as appropriate.

#### 4.6 Personnel Assigned an Emergency Plan Pager

It is the responsibility of each individual assigned an Emergency Plan pager to perform their duties in accordance with this procedure. This includes maintaining an operable radio pager within notification range. If the employee is "on duty" (on-call) he/she must remain within approximately one hour of their assigned facility and be fit for duty in accordance with plant/JAF procedures.

---

5.0 EMERGENCY PLAN ON-CALL EMPLOYEES AND SCHEDULES

5.1 A roster and schedule of on-call personnel is initiated and published by the Emergency Preparedness Manager on at least a quarterly basis.

5.1.1 Individuals filling positions listed in the on-call roster are issued Emergency Plan pagers and are scheduled for "on-duty" periods.

5.1.2 It is the responsibility of each individual assigned an on-call duty to be aware of the on-call schedule, their "on-duty" status and be aware of the pager codes.

5.1.3 An on-duty week shall normally run from 0700 Monday until 0700 the following Monday. If a holiday falls on Monday, the on-duty period ends at 0700 the next work day following the holiday.

5.1.4 Pagers shall be kept within hearing/notification range of "on-duty" personnel at all times.

5.1.5 If an individual wishes to switch a duty period with another equally ERO qualified person, it is the individual's responsibility to ensure adequate coverage is maintained. No official notifications are necessary.

5.1.6 Pager codes as listed in Attachment 3 are issued to each individual assigned a pager. The codes indicate if it is a real event, a drill or a pager/on-call test. (All individuals issued Emergency Plan pagers are expected to respond to the pager codes).

---

6.0 PROCEDURE

## 6.1 Activation of the Emergency Plan

6.1.1 Shift Manager/Emergency Director

- A. The Control Room will activate pagers and CAN during times of a declared Security event.
- B. The Shift Manager or designee shall instruct the SAS Security Officer (at extension 3456) to initiate the call out of Emergency Response Organization personnel in accordance with this procedure and EAP-1.1, Section 4.2.1.

6.1.2 Secondary Alarm Station (SAS) Security Officer (or designated Security Officer)

NOTE: Activation of BOTH pagers and CAN (if needed) should be performed concurrently to ensure timely ERO notification.

- A. Notification of Emergency Plan On-Call Employees via pagers.

NOTE: Pager and/or CAN notifications NOT performed in SAS will be performed in accordance with Attachment 4 from the Control Room.

- 1. The SAS Security Officer, upon being instructed to do so by the Shift Manager/Emergency Director, shall notify all the Emergency Plan On-Call Employees. This shall be accomplished by using the Emergency Plan Employee Call-Out Form (Attachment 2). Activate the paging system a minimum of three (3) times. Separate pages by an interval of 2 minutes, or when the page is received in SAS.



---

B. Community Alert Network (CAN)

NOTE: Activation of BOTH pagers and CAN (if needed) should be performed concurrently to ensure timely ERO notification.

Activate "CAN" during off-hours when directed to do so by the Shift Manager and/or Emergency Director.

NOTE: The Password and Call Back verification Phone Numbers are the same number.

1. Notify "CAN" at 800-552-4226. The "CAN" operator will request your name and affiliation - Entergy - James A. FitzPatrick NPP (JAF Security).
2. The "CAN" operator will ask for a Password and a call back verification number. Provide "CAN" operator with one of the following phone numbers:
  - a. SAS Phone (315-349-6420) or
  - b. SAS Phone (315-349-6415) or
  - c. SAS Cellular Phone (315-593-9539) or
  - d. Security Sergeant (315-349-6422) or
  - e. Control Room Phone, near RECS line, (315-349-6261)

(The "CAN" operator will then hang up and call you back for verification of the facilities and messages. If cellular phone number is given, ensure cellular phone is turned on.)

3. On the call back from "CAN," provide the following information:

- a. The "CAN" operator will request which call-out list(s) to call. Answer "Call out the (depending on which facilities are requested to be activated)."

NOTE: The JAF list includes Security Personnel.

- 1) "Group 1 call-out list" (This list includes CR/TSC/OSC/JAF); or
- 2) "Group 2 call-out list" (This list includes CR/TSC/OSC/JAF and EOF/JNC); or
- 3) Individually Selected:  
"CR TSC OSC EOF JNC JAF call-out list(s)"

b. Instruct the "CAN" operator to activate:

- 1) Message 1 for actual emergencies  
OR
- 2) Message 2 for drills  
OR
- 3) Message 3 for call-out TESTS

c. The CAN operator will ask if you want to be notified when the activation is complete or if a problem occurs during activation, ANSWER "yes".

d. Provide the CAN operator with the current local time when requested.

4. The backup phone number to call "CAN" is 1-877-786-8478. The secondary backup number is (800) 992-2331. This is an answering service and is to be used only in the event of a malfunction of the computerized prompt/recording. Tell the answering service your name/affiliation and a call back number. This person will contact the "CAN" operations staff who will return your call to get the detailed information.
5. Notify the Shift Manager/ED when "CAN" has been activated.
6. CAN notifications NOT performed in SAS will be performed in accordance with Attachment 4.

#### C. Manual Call-Out/Verification

NOTE: CAN activation is considered successful if at least one individual is contacted and confirms that CAN contacted them.

NOTE: Do not call security guards or plant operator staff members. They are not on the CAN Call-Out List

IF CAN was activated, THEN verify CAN activation was successful by calling up to ten (10) individuals on Attachment 5 and verify that CAN activation was successful, OR by receiving CAN call at SAS.

IF CAN activation was NOT successful, THEN call all listed team members, starting with Team 1 and read the appropriate CAN message to each individual. (Use additional personnel to expedite call-out if necessary.)

---

### 6.1.3 Individuals Assigned an E-Plan Pager

- A. All individuals assigned an E-plan pager whether assigned an on-call duty or not shall:
  - 1. Maintain an operable radio pager and ensure that he/she can be notified at all times (ie. hear the pager) while both onsite and offsite.
  - 2. Respond to random pager/on-call tests at the time the test is conducted as indicated by the pager code, unless a response has already been made to the "CAN" system.
- B. All on-call individuals, in addition to 6.1.3 A, shall:
  - 1. Be aware of their "on-duty" status and be aware of the pager codes.
  - 2. While on-duty, remain fit for duty and be within approximately one hour from their assigned emergency response facility.
  - 3. While on-duty, respond to the appropriate emergency response facility as soon as possible (approximately one hour), and/or follow directions given via coded message on the pager and/or CAN system.

### 6.1.4 Emergency Director

- A. The Emergency Director should establish that the emergency organization staffing applicable to the level of emergency is in place (ref. SAP-20 for facility organizational charts or adjust according to need).
- B. As soon as practical after declaring an emergency condition and activating the Emergency Response Organization, the Emergency Director shall attempt to determine if any additional staff is required to maintain the emergency response.

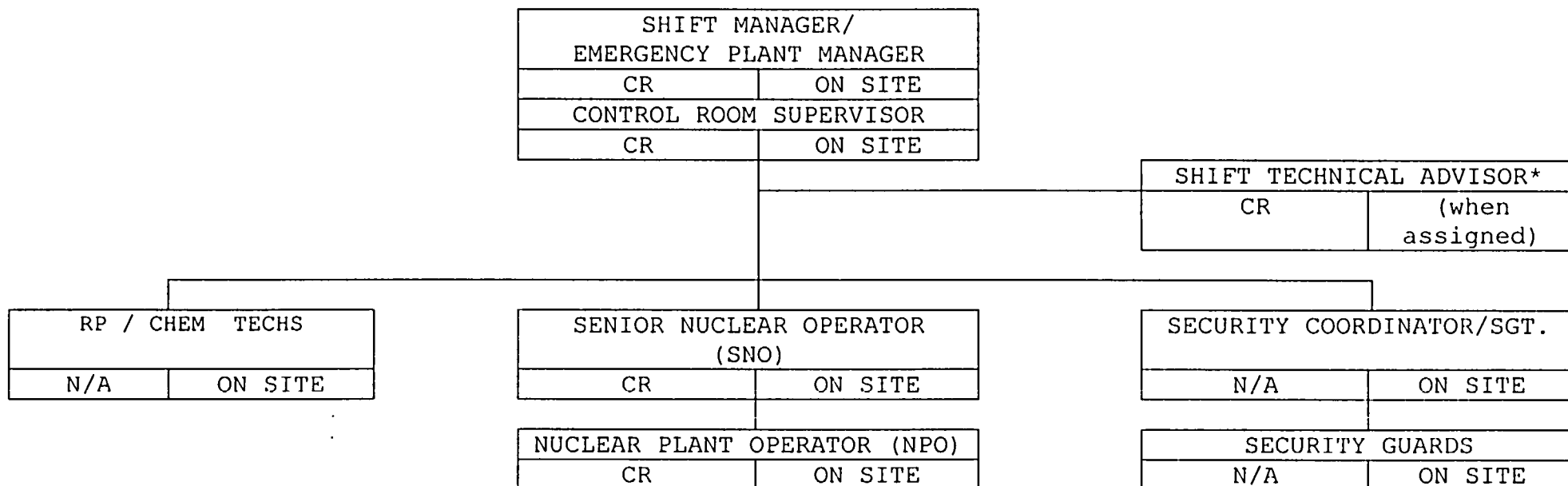
C. The Emergency Director may delegate the staffing responsibilities to a Staffing Coordinator. Refer to EAP-43, EMERGENCY FACILITIES LONG TERM STAFFING

#### 7.0 ATTACHMENTS

1. JAFNPP EMERGENCY STAFFING ON SHIFT RESPONSE ORGANIZATION
2. EMERGENCY PLAN EMPLOYEE CALL-OUT
3. "CAN" MESSAGES AND PAGER ACTIVATION CODES
4. CONTROL ROOM: PAGER ACTIVATION/COMMUNITY ALERT NETWORK (CAN) EMERGENCY CALL-OUT DURING SECURITY EVENT
5. EMERGENCY ORGANIZATION ASSIGNMENTS

# JAFNPP EMERGENCY STAFFING ON SHIFT RESPONSE ORGANIZATION

Page 1 of 1



CODE KEY	
	←TITLE

↑ AVAILABILITY ↑

OPERATIONAL LOCATION

COMMAND CONTROL \_\_\_\_\_

## OPERATION KEY CODE

CR = CONTROL ROOM  
N/A = NOT APPLICABLE

\* S.T.A. may not be present under certain conditions, or role may be fulfilled by SM or CRS

**A. INITIATING INFORMATION:**

Type of event: Actual Drill/Exercise Pager/On-call Test  
Emergency Classification: None NUE Alert SAE GE Declared at: \_\_\_\_\_  
IF directed by Shift Manager (for AOP-43 control room evacuation) THEN have SSS make plant announcement and offsite notifications per EAP-1.1 attachment 15.  
Activate Pagers?: YES NO  
Three Digit Event Code: \_\_\_\_\_ (From Shift Manager/ED)  
ACTIVATE CAN?: YES NO  
Facility(s) To Activate: Group 1 call-out list OR  
Group 2 call-out list OR  
Individually Selected: CR TSC OSC EOF JNC JAF

REQUESTED BY: SM ED OTHER \_\_\_\_\_  
(NAME) (DATE / TIME)

**B. JAF Pager Activation:**

**NOTE:** Activation of BOTH pagers and CAN (if needed) should be performed concurrently to ensure timely ERO notification.

1. Pager Activation START Date/Time: \_\_\_\_\_ / \_\_\_\_\_
2. Obtain "Pager" number from Lock Box/Envelope and record on line 6, or use pre-printed form
3. Obtain "Password" from Lock Box/Envelope and record on line 7, or use pre-printed form.
4. Record Three Digit Event Code from section A above on line 8.
5. Dial 1-800-836-2337
6. Enter "Pager" number \_\_\_\_\_ when prompted ("Please enter the pager number").
7. Enter "Password" \_\_\_\_\_ when prompted ("Please enter your caller password").
8. Wait for tones; enter "Three Digit Event Code" \_\_\_\_\_
9. Hang up the phone.
10. Repeat above steps 5-9 two (2) more times - Separate page intervals by 2 minutes OR when pager in SAS activates. Call CAN between pages as applicable.

**C. Information:**

Time ERO Page's (3) Pager Activation Completed: \_\_\_\_\_ (inform Shift Manager/ED).

Pager Activation Performed by: \_\_\_\_\_  
Print/Sign

- D. IF CAN is to be activated, THEN continue on the reverse side of this sheet.

ATTACHMENT 2  
Page 16 of 34



MESSAGE #1      (Use to activate a facility during an Actual Event)

This is an emergency message from the James A. FitzPatrick Nuclear Power Plant. This is an emergency message from the James A. FitzPatrick Nuclear Power Plant. An emergency has been declared at the plant! An emergency has been declared at the plant! Report to your assigned emergency facility. Fitness For Duty requirements apply. Report to your assigned emergency facility. Fitness For Duty requirements apply.

ACTIVATION

MESSAGE #2      (Use to activate a facility during a drill)

This is a drill message from the James A. FitzPatrick Nuclear Power Plant. This is a drill! This is a drill! An emergency has been declared at the plant. Report to your assigned emergency facility. Fitness For Duty requirements apply. An emergency has been declared at the plant. Report to your assigned emergency facility. Fitness For Duty requirements apply. This is a drill. This is a drill.

DRILL

MESSAGE #3      (Use to initiate a call-out test)

This is a message from the JAF Nuclear Power Plant. This is a drill! This is a drill! This message applies to personnel assigned a JAF pager. This message applies to personnel assigned a JAF pager. This is a drill! This is a drill!

TEST

PAGER ACTIVATION CODES

FIRST DIGIT INFORMATION	SECOND DIGIT CLASSIFICATION	THIRD DIGIT FACILITY ACTIVATED
1 = Actual Event	1 = NUE	1 = Report to CR/OSC/TSC
2 = Drill or Exercise	2 = Alert	2 = Report to CR/OSC/TSC/EOF/JNC
9 = Pager/On-call test only	3 = SAE	3 = On duty only report to CR/OSC/TSC/EOF/JNC
	4 = GE	7 = Personnel assigned a pager call CAN 800- 205-5175 (respond to CAN prompts as directed)
	9 = None	8 = All personnel report to EOF for further instructions.
		9 = No response required



EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3  
UPDATE LIST

CONTROLLED COPY # **34**

Date of Issue: FEBRUARY 18, 2004

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 23	12/98	N/A
EAP-26	PLANT DATA ACQUISITION SYSTEM ACCESS	REV. 12	11/02	Informational
EAP-27	ESTIMATION OF POPULATION DOSE WITHIN 10 MILE EMERGENCY PLANNING ZONE	REV. 10	06/02	Informational
EAP-28	EMERGENCY RESPONSE DATA SYSTEM (ERDS) ACTIVATION	REV. 6	07/00	Informational
EAP-29	EOF VENTILATION ISOLATION DURING AN EMERGENCY	REV. 6	05/03	Informational
EAP-30	EMERGENCY TERMINATION AND TRANSITION TO RECOVERY*	REV. 1	05/03	Informational
EAP-31	RECOVERY MANAGER*	REV. 2	05/03	Informational
EAP-32	RECOVERY SUPPORT GROUP*	REV. 10	08/03	Informational
EAP-33	DEVELOPMENT OF A RECOVERY ACTION PLAN*	REV. 1	05/03	Informational
EAP-34	ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF/EL DURING AN EMERGENCY	REV. 4	05/03	Informational
EAP-35	EOF TLD ISSUANCE DURING AN EMERGENCY	REV. 7	05/03	Informational
EAP-36	ENVIRONMENTAL LABORATORY USE DURING AN EMERGENCY	REV. 5	05/03	Informational
EAP-37	SECURITY OF THE EOF AND EL DURING DRILLS, EXERCISES AND ACTUAL EVENTS	REV. 7	02/03	Informational
EAP-39	DELETED (02/95)			
EAP-40	DELETED (02/98)			
EAP-41	DELETED (12/85)			
EAP-42	OBTAINING METEOROLOGICAL DATA	REV. 21	12/03	Informational
EAP-43	EMERGENCY FACILITIES LONG TERM STAFFING	REV. 63	02/04	Informational
EAP-44	CORE DAMAGE ESTIMATION	REV. 6	02/04	Informational
EAP-45	EMERGENCY RESPONSE DATA SYSTEM (ERDS CONFIGURATION CONTROL PROGRAM)	REV. 6	07/00	Informational
SAP-1	MAINTAINING EMERGENCY PREPAREDNESS	REV. 17	02/03	Informational
SAP-2	EMERGENCY EQUIPMENT INVENTORY	REV. 37	10/03	Informational
SAP-3	EMERGENCY COMMUNICATIONS TESTING	REV. 73	02/03	Informational

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3  
UPDATE LIST

Date of Issue: FEBRUARY 18, 2004

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
SAP-4	NYS/OSWEGO COUNTY EMERGENCY PREPAREDNESS PHOTO IDENTIFICATION CARDS	REV. 10	05/03	Informational
SAP-5	DELETED (3/98)			
SAP-6	DRILL/EXERCISE CONDUCT	REV. 22	11/03	Informational
SAP-7	MONTHLY SURVEILLANCE PROCEDURE FOR ON-CALL EMPLOYEES	REV. 37	08/03	Informational
SAP-8	PROMPT NOTIFICATION SYSTEM FAILURE/SIREN SYSTEM FALSE ACTIVATION	REV. 14	11/03	Informational
SAP-9	DELETED (02/94)			
SAP-10	METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE	REV. 11	03/02	Informational
SAP-11	EOF DOCUMENT CONTROL	REV. 11	06/02	Informational
SAP-13	EOF SECURITY AND FIRE ALARM SYSTEMS DURING NORMAL OPERATIONS	REV. 5	09/03	Informational
SAP-14	DELETED (02/95)			
SAP-15	DELETED (11/92)			
SAP-16	UTILIZING EPIC IDT TERMINALS FROM DESTINY SYSTEM	REV. 4	06/02	Informational
SAP-17	EMERGENCY RESPONSE DATA SYSTEM (ERDS) QUARTERLY TESTING	REV. 7	07/00	Informational
SAP-19	SEVERE WEATHER	REV. 4	01/01	Informational
SAP-20	EMERGENCY PLAN ASSIGNMENTS	REV. 22	05/03	Informational
SAP-21	DELETED (04/01)			
SAP-22	EMERGENCY PLANNING PROGRAM SELF ASSESSMENT	REV. 2	05/03	Informational

ENTERGY NUCLEAR OPERATIONS, INC.  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY FACILITIES LONG TERM STAFFING  
EAP-43  
REVISION 63

APPROVED BY:

*[Signature]*  
RESPONSIBLE PROCEDURE OWNER

DATE: 2/12/04

EFFECTIVE DATE:

February 18, 2004

FIRST ISSUE ☐

FULL REVISION ☒

LIMITED REVISION ☐

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CONTROLLED COPY # 34

PERIODIC REVIEW DUE DATE:

FEBRUARY 2009

## REVISION SUMMARY SHEET

## REV. NO.

- 63
  - Quarterly Update of the Emergency Response Organization
  - Deleted position of OSC Maintenance Engineer.
  - Combined Control Room Supervisor and Field Support Supervisor/STA Positions as one.
  - Removed Recovery section from procedure due to restructure of ENN-EP-101 procedure WPO support functions and responsibilities.
  - Split the positions of Entergy Spokesperson and JNC Directors in two different positions.
- 62
  - Quarterly Update of the Emergency Response Organization
- 61
  - Quarterly Update of the Emergency Response Organization
  - Added pager numbers for Recovery Support Group Managers.
- 60
  - Quarterly Update of the Emergency Response Organization
  - Added the position of Emergency Plant Manager.
- 59
  - Quarterly Update of the Emergency Response Organization

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## 1.0 PURPOSE

This procedure provides instructions to provide long term staffing for JAFNPP Emergency Facilities

## 2.0 REFERENCES

### 2.1 Performance References

2.1.1 AP-11.03, CONTROL OF OVERTIME

### 2.2 Developmental References

2.2.1 Section 5, JAF EMERGENCY PLAN

2.2.2 EAP-17, EMERGENCY ORGANIZATION STAFFING

## 3.0 INITIATING EVENTS

All Emergency Facilities have been activated.

## 4.0 PROCEDURE

### 4.1 Responsibility

It is the responsibility of the Staffing Coordinator to establish long term staffing for all the JAFNPP Emergency Facilities (C.R., O.S.C., T.S.C., E.O.F., Security and J.N.C.). The Staffing Coordinator shall fill positions in accordance with Attachment 1 developing a two shift rotation of qualified employees as a minimum and three shifts whenever possible.

**NOTE:** Personnel who are designated as "in training" for a position are considered to be qualified when all training requirements for that position are completed.

4.2 The Staffing Coordinator shall complete Attachment 1, Emergency Organization Assignments, using a copy of Attachment 3 of EAP-8 that has been completed at JAF for accountability, as a reference.

4.3 The staffing Coordinator shall ensure provision of AP-11.03, CONTROL OF OVERTIME, are considered when making staffing assignments



ENTERGY NUCLEAR OPERATIONS, INC.  
JAMES A. FITZPATRICK NUCLEAR POWER PLANT  
EMERGENCY PLAN IMPLEMENTING PROCEDURE

CORE DAMAGE ESTIMATION  
EAP-44  
REVISION 6

APPROVED BY: *M. G. [Signature]*  
RESPONSIBLE PROCEDURE OWNER

DATE: 2/10/04

EFFECTIVE DATE: February 18, 2004

FIRST ISSUE ☐

FULL REVISION ☒

LIMITED REVISION ☐

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CONTROLLED COPY # 34

PERIODIC REVIEW DUE DATE: February 2009

## REVISION SUMMARY SHEET

## REV. NO.

- 6 • Full revision based on NRC RTM methodology
- 5 • Updated pertinent plant parameters in section 4.5.1.
  - Updated performance references in section 4.8.2
- 4 • Reformat per AP-02.01, Rev.5
  - Change total Zr to 9.71E04 lbs in step 4.12.5 - changes are as a result of power uprate.
  - Change core thermal power from 2436 Mwt - changes are as a result of power uprate.
  - Change total daily gross thermal generation in Mwt-hr to 60,864 - changes are as a result of power uprate.
  - Increase core inventories on Attachment 6 by 4.1% - changes are as a result of power uprate.
  - Change level of use to "informational" per AP-02.04.

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## 1.0 PURPOSE

- 1.1 The purpose of this procedure is to describe three simple methods for estimating core damage post accident conditions.

## 2.0 REFERENCES

### 2.1 Performance References

2.1.1 PSP-17, PASS OPERATING PROCEDURE

2.1.2 AM-03.02, POST ACCIDENT SAMPLE ANALYSIS

### 2.2 Developmental References

2.2.1 US NRC Response Technical Manual RTM-96 Volume 1, Rev.4.

2.2.2 Compliance with NUREG-0737, Item II.B.3 (Ref. 5.2)

2.2.3 NEDO-22215, Procedures for the Determination of the Extent of Core Damage Under Accident Conditions, August, 1982

2.2.4 Memo RES-83-0279, NUREG-0737 Item II.B.3, BWRDG-8324 (June 17, 1983) Attachment 2, Integration of Other Plant Parameters into Core Damage Estimate

2.2.5 PSP-17, PASS OPERATING PROCEDURE

2.2.6 AM-03.02, POST ACCIDENT SAMPLE ANALYSIS

## 3.0 REQUIREMENTS

None

**4.0 PROCEDURE****4.1 Methods for Estimating Core Damage****4.1.1 Core Damage can be described as follows:**

<b>In-Vessel Melt</b>	the release into containment of all the fission products expected to be released from a core that is partially melted after being uncovered for 30 min or more.(review EAL 1.3.3 or 1.3.2)
<b>Gap</b>	the release into containment of all the fission products in the fuel pin gap after the fuel cladding has failed from being uncovered for more than 15 min. (review EAL 1.3.2 or 1.3.1)
<b>Spiked Coolant</b>	the release into containment of approximately 100 times the non-noble gas fission products normally found in the coolant (spiked or greater than spiked coolant). (review EAL 1.1.2 or 1.3.1)
<b>Normal Coolant</b>	Typical (normal) coolant release- the release into containment of the fission products normally found in the coolant.

**4.1.2 There are three basic methods which can be used to estimate the degree of core damage:**

- A. Containment High Range dose rate,
- B. Hydrogen concentration, or
- C. Coolant concentration

**4.1.3 These techniques may be used independently or in parallel to estimate core damage.**

- 4.1.4 Compare the different core damage estimations obtained by using one method repeatedly or several different methods.
- A. All core damage estimation data should be chronologically consistent.
- B. Core damage estimates performed close to the same time should indicate similar degrees of core damage.
- 4.1.5 Use any or all of the core damage evaluation methods and information contained in this procedure to assign a core damage estimate. More than one category may be indicated (for example, in order for fuel melt to occur, some cladding failure must have occurred). Assign the highest category of core damage indicated as the final estimate of core damage.
- 4.1.6 This procedure provides a simplified flow diagram for each method. Each of the three methods has inherent assumptions. A brief summary of the capabilities of each technique is contained in Attachment 1. Attachment 2 includes general consideration for conducting core damage estimates. Data for assessment can be obtained from EPIC displays "PLANT" and "RRC".
- 4.1.7 The three methods are as follows:
- a. Core Damage Assessment Method 1  
"Containment High Range Radiation  
Monitor Core Damage Estimate"
  - b. Core Damage Assessment Method 2  
"Hydrogen Monitor Core Damage Estimate"
  - c. Core Damage Assessment Method 3 "Coolant  
Concentration Method"

The three methods are contained on Posted Attachment 1.

5.0 ATTACHMENTS

1. METHOD ASSUMPTIONS
2. GENERAL CONSIDERATIONS

6.0 POSTED ATTACHMENTS

- A. CORE DAMAGE ASSESSMENT METHOD 1 - CONTAINMENT HIGH RANGE RADIATION MONITOR CORE DAMAGE ESTIMATE
- B. CORE DAMAGE ASSESSMENT METHOD 2 - HYDROGEN MONITOR CORE DAMAGE ESTIMATE
- C. CORE DAMAGE ASSESSMENT METHOD 3 - COOLANT CONCENTRATION METHOD

Attachment 1  
METHOD ASSUMPTIONS

Page 1 of 2

**Method 1****Containment High Range Radiation Monitor Core Damage Estimate****Purpose**

To assess the core damage based on the containment radiation monitor readings.

**Discussion**

This method uses containment radiation monitor readings to assess core damage; however, containment radiation monitor readings cannot confirm core damage in all cases. The release may bypass the containment, be retained in the primary system, be released over a long period of time, or not be uniformly mixed. Therefore, a low containment radiation reading does not guarantee a lack of core damage.

Confirm that the containment radiation monitor "sees" the containment atmosphere. If not, the method should not be used to assess core damage.

These calculations should provide the maximum reading expected under the conditions stated. The calculations assume (1) a prompt release to containment of all the fission products in the coolant, spike, gap, or from in-vessel core melt; (2) uniform mixing in the containment; and (3) an unshielded monitor that can see most of the containment area. Because the mix is most likely different from the assumed in the calibration of the monitor, the actual reading at the upper end of the scale could differ by a factor of 100 if a shielded detector is used for the higher radiation measurements.

The levels of damage indicated should be considered minimum levels unless there are inconsistent monitor readings. Inconsistent readings may be caused by the uneven mixing in containment [e.g., steam rising to top of dome, not enough time for uniform mixing to occur (it may take hours)]. The values in the figures were generated using CONDOS II (NUREG/CR-2068).

Four types of releases are considered:

**In-vessel core melt release-** the release into containment of all the fission products expected to be released from a core that is partially melted after being uncovered for 30 min or more.

**Gap release-** the release into containment of all the fission products in the fuel pin gap after the fuel cladding has failed from being uncovered for more than 15 min.

**Spiked coolant release-** the release into containment of 100 times the non-noble gas fission products normally found in the coolant.

**Typical (normal) coolant release-** the release into containment of the fission products normally found in the coolant.



## Method 2

### Hydrogen Monitor Core Damage Estimate

#### Purpose

To assess the core damage based on hydrogen concentrations in containment samples.

This method may be used to assess the core damage based on hydrogen concentrations in samples of the containment atmosphere. Hydrogen concentrations should not be relied upon to confirm core damage in all cases. Containment samples may require hours to collect and analyze and may not be representative of the total hydrogen generated in the core because of incomplete mixing in the containment or containment bypass.

#### Discussion

The hydrogen concentrations used in this method are for wet samples; however, most hydrogen samples are dry (steam removed). If a dry sample concentration is used, one may overestimate considerably the level of core damage. This method assumes that all hydrogen is released to the containment and is completely mixed in the containment atmosphere. The results of severe accident research (research supporting NUREG-1150) were examined to identify the least percentage of metal-water reaction associated with each core damage state. Higher percentages of metal-water reaction are possible for some accident sequences (e.g., Three Mile Island).

## Method 3

### Coolant Concentration Method

#### Purpose

To assess the core damage based on a coolant sample.

#### Discussion

Coolant concentrations should not be required to confirm core damage because they may take hours to draw and analyze and may not be representative of primary system concentrations (e.g., no flow through sample line).

This method of confirming core damage assumes that releases from the core are uniformly mixed in the coolant and that there is no dilution from injection. The baseline coolant concentrations are for 0.5 h after shutdown of a core that has been through at least one refueling cycle. The half-life of the fission products should be considered in analyzing samples.

For a BWR, it is assumed that the release from the core is uniformly mixed in the reactor coolant system and suppression pool. If most of the core release is confined to the reactor coolant system, the concentrations in the coolant could be up to 10 times higher.

Attachment 2

Page 1 of 1

GENERAL CONSIDERATIONS**General**

Core damage will not take place uniformly among all the fuel rods; thus, a combination of fuel damage categories may exist simultaneously.

**Integration of Other Parameters Into The Estimate**

The useful parameters are described briefly here, and no exact procedure for working them into the core damage estimation is provided. Instead, these parameters are meant to be used by the individual performing the core damage estimation as an aid in determining the best method of core damage estimation and as a check on the reasonableness of determined core damage estimate. These parameters by themselves cannot be used to perform a core damage estimate.

**Reactor Vessel Water Level** - This parameter is used to determine the fraction of the core which is uncovered during a LOCA and the duration of the uncover.

- A. If the core has never been uncovered, it is unlikely that any significant damage will have occurred, although it is possible to have some clad failure without uncover of the core.
- B. The fraction of core uncovered must remain uncovered for at least 5 to 10 minutes before fuel overheat and worse damage occurs.

**Reactor Vessel Pressure** - High reactor vessel pressure may indicate a core damage event has occurred.

- C. This indication is ambiguous, because there are many non-degraded core events which could also produce a high reactor vessel pressure.

**Primary Containment Integrity** - Any breach in the Drywell or Torus free volume will result in the loss of activity and hydrogen from the primary containment system.

- D. This will effect core damage estimates using gaseous PASS samples, hydrogen concentration and HRCM readings.
- E. Any breach in the Torus liquid volume will also result in the loss of activity from the primary containment. This should not affect core damage estimates using coolant concentrations since uniform mixing will have taken place within the torus water and any leakage would not change the isotopic concentrations.

**Pressure Vessel Integrity** - If the pressure vessel has a liquid or steam leak which bypasses primary containment it will result in the loss of activity and hydrogen from the primary containment system.

- F. This will affect core damage estimate using PASS samples, hydrogen concentrations and HRCM readings.

Attachment 2

Page 2 of 2

**Torus Free Volume Mixing** – Use Drywell and Torus pressure and other reactor system parameters to determine if the Drywell has blown down to the Torus.

- G. Review recent events and system parameters to determine if the pressure vessel has been pressure relieved to the Torus via the automatic depressurization system, safety relief valves or any other means.
- H. This information will help determine if both Torus and Drywell gaseous PASS samples are needed.
- I. This information will help determine if both Torus and Reactor Vessel liquid PASS samples are needed.

**Torus Liquid Recirculated** – Determine if Torus water is being recirculated through the pressure vessel and if so how long has this been ongoing.

- J. This information will help determine if both Torus and pressure vessel liquid PASS samples are obtained.

**Drywell Spray** – Determine if the Drywell sprays have been utilized.

- K. This information is needed for the evaluation of core damage using HRCM readings.

#### Reactor Building Indications

- L. Reactor Building area radiation monitors, sump levels and samples, and Standby Gas Treatment System effluent monitors can be used to determine if there is a Primary Containment breach into the Reactor Building.

#### Plant Parameters

The pertinent plant parameters for the FitzPatrick plant are given below:

	FitzPatrick Plant
Rated Reactor Thermal Power Level	2536 MWt
Number of Fuel Bundles	560
Total Primary Coolant Mass (Reactor Water Plus Suppression Pool Water)	3.21E9 g
Reactor Water Mass	2.14E8 g
Suppression Pool Water Mass	3.00E9 g
Primary Containment Free Volume (Torus Plus Drywell Free Volumes)	7.48E9 cc
Drywell Free Volume	4.25E9 cc
Torus Free Volume	3.23E9 cc

POSTED ATTACHMENTS

- A. CORE DAMAGE ASSESSMENT METHOD 1 - CONTAINMENT HIGH RANGE  
RADIATION MONITOR CORE DAMAGE ESTIMATE
- B. CORE DAMAGE ASSESSMENT METHOD 2 - HYDROGEN MONITOR CORE DAMAGE  
ESTIMATE
- C. CORE DAMAGE ASSESSMENT METHOD 3 - COOLANT CONCENTRATION METHOD